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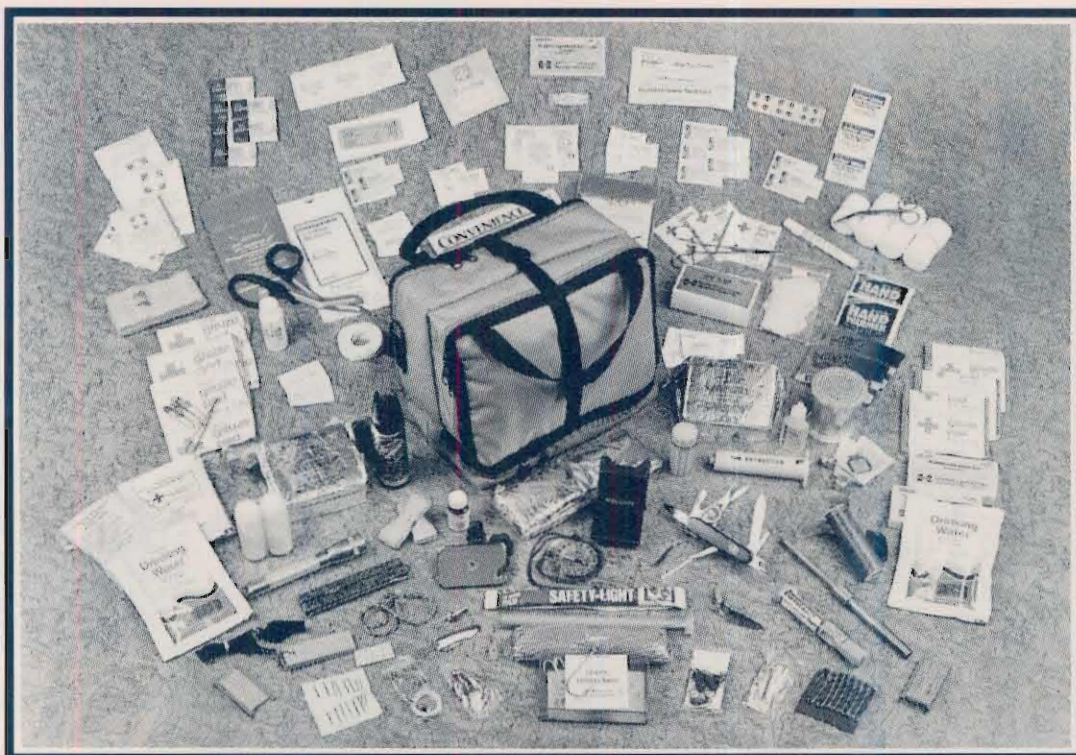
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AMERICAN SURVIVAL

The Magazine of Self Reliance

GUIDE

NOVEMBER 1991 VOLUME 13 NUMBER 11

COVER:

Ram-Line has entered the gun market with its new Exactor .22LR pistol line. See page 24 (Photo by Scott Stoddard).

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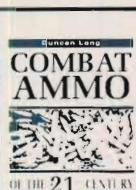
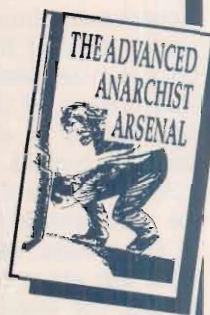


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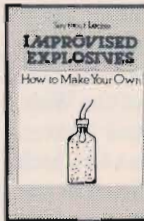
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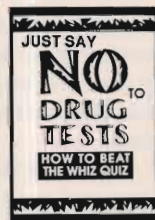
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THE dramatic, even breath-taking events in the Soviet Union in recent weeks lend strong support to a cautious optimism that that polyglot nation may at long last be heading toward true democracy and freedom and casting off the chains of slavery imposed by a succession of brutal socialist tyrants.

And with the death knell sounding for communism in the Soviet Union — the nation which has done more than any other to support its spread around the world — are not its days numbered in the other nations where it is used to enslave their populations?

Of course it's impossible to predict what the future holds. And with many millions of people around the world still living under the shadow of communism and other forms of oppressive socialism, we can't expect these slave systems to simply disappear overnight.

But there is no question that the cancer of socialism is under siege around the world as never before. With all this happening elsewhere, it's imperative that the nations of the West, and particularly the United States, begin to wake up to the extent to which socialism has become ingrained in our political and social systems.

In the name of political freedom, we here in the U.S. and other Western countries have allowed communism/socialism to blossom and spread as a political ideology — an ideology which has become entrenched in our political systems, government, media and academia; an ideology disguised with terms like "liberalism" and "labor."

Here in America, our media, universities and the Democratic Party have for decades been steeped in socialist thinking and have become bastions of socialist political power.

The nation's colleges and universities harbor thousands of Marxist scholars preaching their particular forms of what I call the hate-America mentality. The students influenced by such teaching pour out into society year after year forming a fertile voting block for socialist ideology as espoused by so-called "liberals" in the Democratic Party and, increasingly these days, the Republican Party as well.

Not only are young people exposed to much socialist thinking while attending college, our popular culture is full of it as well. Socialist propaganda is rife in the news and entertainment media. We are fairly bombarded with it day after day as we're told, directly and often subliminally — through movies, books, magazines and news-

TO THE POINT

Republics fleeing USSR

Byelorussia latest to assert independence; Moldavia likely next

Soviets Plan Military Purge
Party Agrees to Dissolve Central Committee

People vs. the party
Legislators heckle Gorbachev; Communist leaders on the run

Gorbachev guts party

Communist leaders fired, organization's property ordered seized

Now that the Soviets at long last appear to be throwing off the shackles of socialism, it's high time we begin exposing and eliminating the socialist disease here in the West...

papers, television, rock music, etc. — that we must have Big Brother government interfering in every aspect of our lives in order to cure this or that social problem, real or imagined.

The results of all this are predictable: we are giving up more and more of our cherished freedoms and rights every year. Our governing bodies are full of greedy, arrogant, left-leaning bureaucrats perpetuating their own power bases by gerrymandering election districts, endlessly raising taxes and squandering the money in monumental waste, interfering in more and more aspects of our lives and oppressing us more and more. Every year more and more laws are passed to burden us and regulate our existences. The vast and growing government bureaucracy is a behemoth that is beginning to crush us under its weight.

Yet so many Americans are largely asleep to the dangers facing us. Many, thanks to years of leftist brainwashing by the media, universities, etc., actually believe more and bigger government is the answer to our troubles. Those who do recognize the dangers are becoming powerless to do much about them, since voting isn't nearly as effective as it was in times past.

Arrogant left-wing politicians at all

levels of government decry the ownership of firearms by law-abiding citizens and demand that guns be rounded up. More and more legislation is being passed to restrict and even confiscate our guns, while government power continues to grow at an alarming rate, and government officials tell us we have no right or need to be armed, that government will decide what is best and right for us and that we must acquiesce to this and other indignities.

I could cite many other examples of what I'm talking about but most of you reading this magazine are probably well aware of them yourselves. The problem is we need to wake up our fellow citizens to the dangers of big government socialism and socialistic thinking before it's too late to change things.

With all the attention being given to the impending demise of communism in the Soviet Union and elsewhere around the world, let's do all we can here in the U.S. to expose the extent to which socialism has permeated our existence. Rather than sliding into the abyss of a socialist, or quasi-socialist existence, America should be the shining example of freedom by which other peoples of the world can gauge their own liberty — *Jim Benson.*

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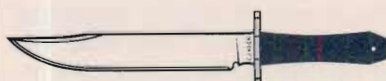
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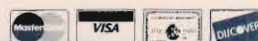
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FOR years those in the gun-control movement have insisted that their activities were not aimed at so-called "legitimate" gun owners. Registration would never be used to confiscate legally owned weapons, they assured us.

Well welcome to New York City, already famous for having more gun control laws on its books than any other U.S. city. Residents of New York have for years been legally obliged to obtain a license to own any type firearm at all, including hunting and target rifles, and then to register each weapon individually with the police department.

Now the City Council and the Mayor, Democrat David Dinkins, have gone one step further in their efforts to curb the Second Amendment rights of the citizens of New York City. Recently the Council passed and the mayor signed into law a bill which bans the sale and possession of so-called assault rifles within the city. The law is unique because it not only bans future sales of such weapons, it also demands that current owners of legally registered assault rifles remove them from the city or SURRENDER them to the police department. The law allows the police department to use its gun registration files to track down owners and seize their weapons WITHOUT COMPENSATION.

That's not all. The law allows the police commission to designate any weapon at all, including rimfire .22s as assault weapons, and declare them illegal. It also defines as an assault weapon any weapon which has one or more of the following characteristics: a pistol grip, a folding stock, a bayonet lug, or any weapon which has the capacity of holding more than 5 rounds in its magazine.

Home Cholesterol Tests — Those who are concerned with their cholesterol levels will soon be able to test themselves in the privacy of their own homes.

Two companies, ChemTrak, and Crystal Medical are currently awaiting

Food and Drug Administration, FDA, approval to begin marketing their home cholesterol test kits. The kits are currently approved for use by physicians only.

The two home test kits use different technologies, but both are able to provide accurate total cholesterol readings in about 15 minutes from as little as a single drop of blood. The kits include a spring operated device which is used to prick the tip of a finger for the blood sample.

The tests are disposable and are expected to sell for under \$10 each.

Desk Lamp Radiation Danger — A new study conducted by British and Australian scientists for the Australian National Health and Medical Research Council, ANHMRC, has found that the tungsten-halogen bulbs found in many desk lamps emit higher levels of ultraviolet radiation than do conventional bulbs. These higher than normal ultraviolet levels could, in certain circumstances increase the risk of skin cancer, sunburn, and cataracts. The finding prompted the ANHMRC to issue a warning that people using tungsten-halogen bulbs in desk lamps are "increasing their exposure to harmful ultraviolet radiation."

The study found that the higher temperatures at which tungsten-halogen bulbs burn requires the use of a fused quartz-glass bulb casing. This casing, unlike the glass casing found in conventional bulbs, proved to be an excellent conductor of ultraviolet radiation.

The Food and Drug Administration, FDA, in the U.S. and the National Electrical Manufacturers Association said they were studying the findings. The FDA is the agency responsible for determining safe levels of radiation from lightbulbs used in the U.S.

The authors of the report emphasized that the warning applied only to desk lamps because they are usually used in close proximity to a user. They also noted that the placement of a thin regular glass filter between the user and the bulb all but eliminates the harmful ultraviolet radiation. ●

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check for desired sound. The Voice Changing Telephone is an ideal security device for women and children home alone; discourages annoying callers; can be used as a pre-screening tool, or use the extreme ranges of the digital processor to create funny cartoon voices. Lesser quality hand-held voice changers run over \$300.00. Our price on this quality Telephone Voice Changer \$89.00 (each add'l \$80.00) each.

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That's right, for only \$39.00 you can have this aviator/racer watch. It's finished in handsome gunmetal black with matching black stainless steel band. The classic watch, because it has all The Right Stuff - from its All Business outside to its high-tech electronic workings. This is today's most popular watch - the perfect blend of history and style for men on the go. Check out these features: Both Analog AND Digital time displays with luminous hands and numeral markers and LCD display; allows for dual time zone settings; has 12/24 European/Military time settings; reads hours, minutes, seconds, AM/PM, month, date and day of week; has a daily alarm and hourly chime; has a one-hour stopwatch with 1/100th second resolution; has a rotary time ring bezel; is water resistant to 50 meters (165 feet); has 1-1/2 year battery; and mineral glass crystal so it will never scratch! PLUS the intricate QUARTZ movement is accurate to +/- 15 seconds a month. Order #NCW, \$39.00 each.

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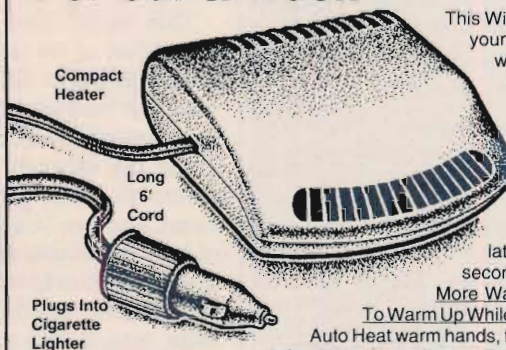


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7) High Band	148-174 MHz
8) Fed Govt Land Mobile	405-420 MHz
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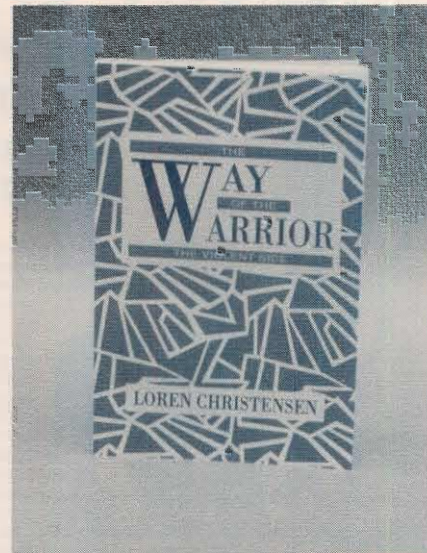
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BOOKS/VIDEOS



To Break a Tyrant's Chains, Neo-Guerrilla Techniques for Combat, by Duncan Long. Alpha Publications of Ohio, P.O. Box 308, Dept. ASG, Sharon Center, OH 44274-0308. Softcover, 152 pages. \$12.

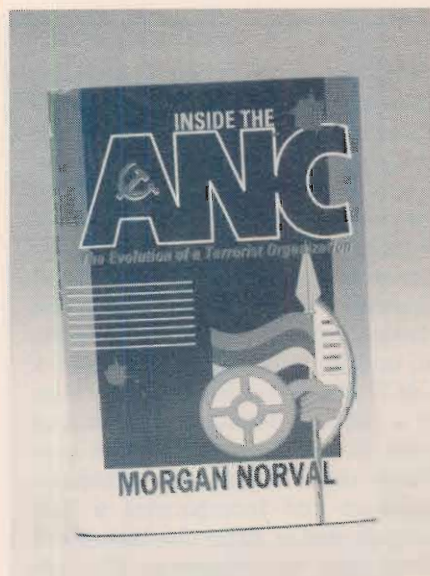
This book, the author writes, is somewhat of an insurance policy: it's been created to help put tyrants, and would-be tyrants, on notice that a rag-tag band of neo-guerrilla fighters can bring the strongest armies or police states to their knees. With this in mind, Duncan Long reveals the secrets of how to secure and create weapons and the tactics to use them when fighting almost anything imaginable — from attack helicopters to tanks. In reading this book, you'll also learn how to thwart enemies equipped with night vision equipment and how to avoid being injured by deadly chemical agents — even if you don't have a gas mask or other protective equipment. Long also gives you the straight, no-holds barred assessment of the shortcomings of guerrilla conflicts, updates guerrilla strategies to fit today's level of technology, and takes a look at the historical mistakes of many rebel groups who tried to adopt conventional strategies to their movement. Whether you're interested in the strategies and tactics of modern guerrilla movements or concerned about a Big Brother takeover, this book belongs on your bookshelf.



The Way of the Warrior, The Violent Side, by Loren Christensen. Paladin Press, P.O. Box 1307, Dept. ASG, Boulder, CO 80306; (800) 392-2400. Softcover, 122 pages. \$15 plus \$3.50 shipping and handling.

The warrior spirit is within everyone, ready to be called upon when you can rely on no one and nothing but your inner strength. Loren Christensen, soldier, policeman, martial artist, has called upon his warrior spirit in a wide range of violent encounters from grueling karate sparring matches to brutal barroom brawls as a military policeman in Saigon, Vietnam. In *The Way of the Warrior*, Christensen talks about how he has recognized and lived with his own intense warrior spirit. He recounts some of the many fights, showdowns, and contests that he has been involved in, and how his warrior spirit helped him to not only prevail, but learn valuable lessons about violence, life, and himself. This is not a book of New Age mysticism or esoteric oriental philosophy. It is a practical, honest, revealing and extremely readable account of one man's experiences in a violent world, and how they have led him down the path of the warrior.

Inside the ANC, The Evolution of a Terrorist Organization, by Morgan Norval. Selous Foundation Press c/o American Comnet, Inc., 2101 Wilson Blvd, Suite 523, Arlington, VA 22201; (703) 524-5446. Hardcover, 265 pages. \$21.95 plus shipping and handling.



Nelson Mandela, one of the top leaders of the African National Congress (ANC), served 27 years of a life sentence for crimes of sabotage against South Africa. He was found guilty of two counts of sabotage which included recruiting people for instruction and training in: the preparation, manufacture and use of explosives; the art of guerrilla warfare; and acts of violent revolution causing injury, damage and destruction to South Africa. He was also found guilty of one count of committing acts calculated to further the achievement of the objective of communism and one count of soliciting and receiving money for the purpose of overthrowing the government. Mandela's vision of the future of South Africa was to "build a classless or socialist society in which the land, the mines, the mills and factories will be owned by the State." This was to be done by insurrection, revolution and civil war. Those 27 years in prison apparently haven't changed his mind. Ignoring the communist failures in Romania, East Germany, Poland and the Soviet Union, he chooses to associate these days with the likes of Fidel Castro, Moammar Ghadafi and PLO leader Yasser Arafat. And in our country Mandela is welcomed by black leaders as if he were the "Messiah," while at the same time our leftist-controlled media does cartwheels. This book offers a sobering look at the ANC and the men that have been vir-

(Continued on page 43)

HISTORY OF SNIPING



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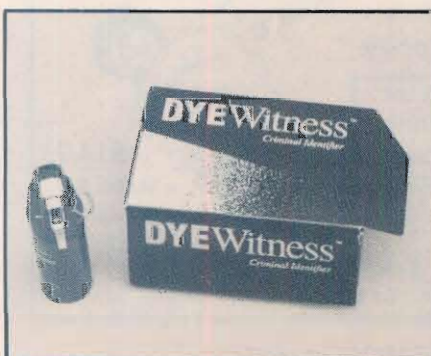
fires the potent 10mm Auto cartridge. Almost identical to the renowned MP5 9mm submachine gun in appearance and operation, the new MP5/10 can fire both high and low impulse 10mm Auto rounds. The 10mm Auto cartridge provides up to twice the muzzle energy of the standard 9mm NATO cartridge. This perfect combination of weapon and cartridge puts the firepower, penetration, and hard-hitting authority of a .45 ACP Thompson Submachine Gun into a package identical in size and weight to the 9mm MP5. The new MP5/10 uses translucent synthetic magazines and incorporates a bolt hold-open device. After the last round is fired from the magazine, the bolt will remain locked to the rear. A conveniently located lever on the weapon releases the bolt after the weapon has been reloaded. For more information contact: Steve Galloway at Heckler & Kock, Inc., 21480 Pacific Blvd., Dept. ASG, Sterling, VA 22170; (703) 450-1900 or fax (703) 450-8160.



Blackjack Model 1-7 Knife

This pattern is the most famous single edged combat/fighting knife in modern times. The classic design was widely used in World War II, the Korean Conflict, the Vietnam War and was even carried by troops in the Persian Gulf. First designed and executed by the late Bo Randall in the thirties, it has been made without much change by Randall, Stone, Bone, Cooper and many other custom knifemakers. The Model 1-7's full tang blade is crafted on 0170-6 high carbon chrome-vanadium steel and is differentially heat treated to have a soft tang, and hard

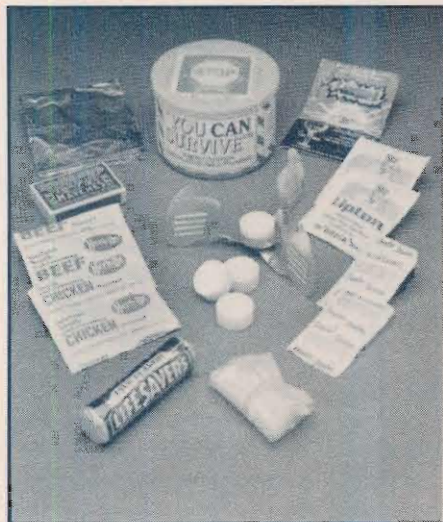
edge. It is also triple tempered to 58 Rockwell C on the edge for maximum edge retention. The double guard is precision formed in brass. The guard, stacked leather handle and butt cap are all assembled oversize and hand crafted to shape just like the original. The final blade grind is done by hand. Each Model 1-7 is supplied with a quality brown leather sheath. Blade length is seven inches, with an overall length of 12 inches. Suggested retail is \$119.95. For more information contact: Blackjack Knives, 7210 Jordan Ave., Dept. ASG, Canoga Park, CA 91303; (818) 902-9853.



DYEWitness Criminal Identifier

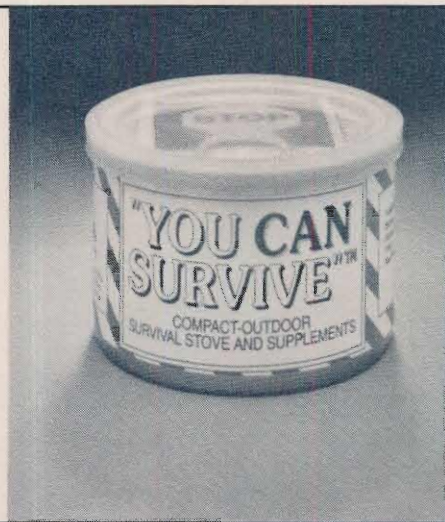
DYEWitness is not a tear gas and it's not a red pepper self defense spray. It's not considered a weapon, but it may help you escape from an attacker. DYEWitness fires a green dye up to seven feet with a 70 pound blast from a small hand held canister. Within seconds after application the dye begins to foam up, obscuring the attacker's vision while not harming the eyes. As the attacker flees the foam falls to

leave a green trail from the scene, and an unmistakable green stain on the attacker's face. The stain lasts up to seven days and can't be washed off. This makes identification easy for police, and provides evidence that the suspect was at the scene of the crime. Unlike firearms and other self defense sprays, DYEWitness is legal to carry aboard commercial airlines. Price is \$39.95. Contact: DYEWitness, 5310 Lerwick Drive, Dept. ASG, Houston, TX 77084; (713) 893-6183.



You Can Survive

This six ounce can measures less than 2½ inches in height and 3½



inches in circumference. The sealed, watertight, reusable steel can contains a compact outdoor survival stove, fuel,

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Sporter Competition HBAR Rifle

Several years ago the people at Colt began an extensive research and development effort to create a new generation of service rifle with features more ideally suited to the current

needs of highly trained, specialized forces. They took the best from this research and adapted it to the new Sporter Competition HBAR Rifle, in a configuration designed and human engineered for today's civilian marks-

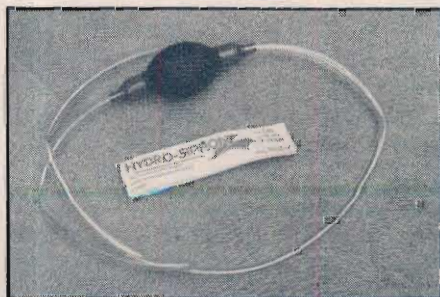
men and hunters. The most important innovation you immediately notice on this new rifle is the distinctive "flat top" upper receiver, with integral Weaver type base for optical sight mounting. The rifle has a match rifling twist of one turn in nine inches for consistent accuracy and the barrel's accuracy is enhanced by a target style counterbored muzzle. Nylon web sling, cleaning kit and two five round magazines are included. Contact: Colt Manufacturing Company, Inc., P.O. Box 1868, Dept. ASG, Hartford, CT 06144-1868; (203) 236-6311.



SOG Delta Bag Concealment Holster

This holster incorporates Quick Release Zippers as the opening device. Developed by law enforcement for law

enforcement, this holster is compact and easy to use. It fits most autos and three inch revolvers. Special orders can be made for any gun up to a full size Desert Eagle with a scope (additional \$20 fee). Suggested retail is \$39.99 plus \$3 shipping and handling. Mountain Castle Arms, 5413 6th Ave. N.W., Dept. ASG, Seattle, WA 98107; (206) 781-5519.



Hydro-Siphon

This multi-use siphon will fulfill all of your siphoning needs. Home, boat, car, you name it. The Hydro-Siphon will siphon 1½ to 2 gallons per minute. The natural rubber bulb and clear plastic hose are easy to assemble — just attach the hoses to the bulb, place the hose in the liquid to be siphoned or pumped, and squeeze the bulb. No bailing, sucking or inhaling of fumes. The Hydro-Siphon pumps safely and efficiently without waste or spillage. \$12.95 plus \$3 shipping and handling. Contact: Casal Industries, 9860 Indiana Ave. #26, Dept. ASG, Riverside, CA 92503; (714) 785-4561.

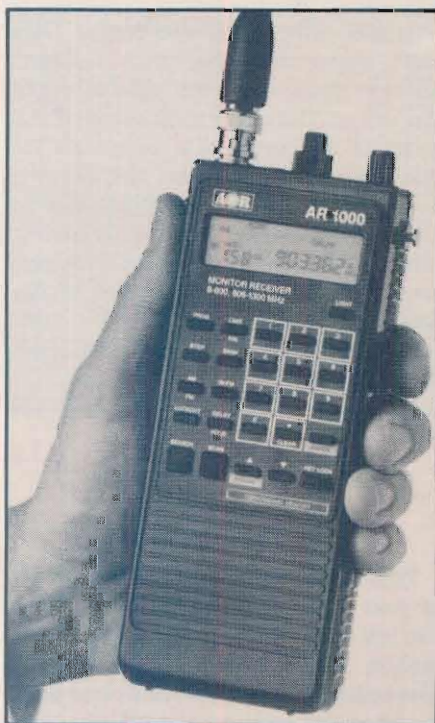
NEW PRODUCTS



Monarch-LTH Tactical Hunter
Benchmade Knife Company has

designed a lightweight lockback folder that is equally efficient as both a

hunting knife or a tactical field knife. The Monarch-LTH's man sized handle is made from tough injection molded fiber reinforced nylon Zytel, and is made with an interframe design using checkered rubbery Kraton panel inserts for additional grip. The knife features an ambidextrous opening disk on the back of the $3\frac{5}{8}$ inch blade. Blade steel is high carbon stainless that is heat treated to a Rockwell hardness of 57-59 RC. The LTH weighs in at only 3.1 ounces, and being only $\frac{1}{2}$ inch thick, it will easily carry in pocket or purse as well as in the nylon belt sheath supplied with each knife. Completely American made and retailing for \$49.95 ppd. Contact: Berkshire Mountain Trading, 78 Edward Ave., Dept. ASG, Pittsfield, MA 01201; (800) 999-8388 or (413) 443-3478.



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Ace Communications has announced the introduction of a new 1,000 channel hand held receiver with continuous frequency coverage from 500 kHz to 1,300 MHz. The frequency coverage of the unit allows reception of all broadcast bands, shortwave frequencies, military communication bands,

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plus all public service bands. AM or narrow FM reception modes in addition to FM broadcast and TV audio modes are selectable at any frequency. 26 front panel keys allow programming of 1,000 total scan memory channels. Pairs of upper and lower limits for bands to be searched can be stored in 10 separate search memory locations. All information is stored in permanent memory. A suggested retail price of \$429 has been set for the unit which includes a 120 volt to 12 volt wall plug adapter/charger, DC cigarette lighter plug charger cord, flexible antenna in addition to a carry case and AA size rechargeable batteries. Ace Communications, 10707 East 106th Street, Dept. ASG, Fishers, IN 46038; (317) 842-7115; fax (317) 849-8794.

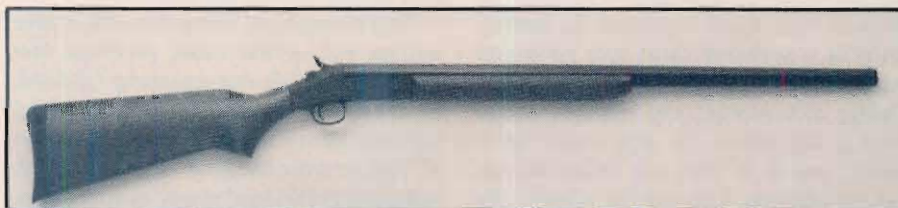
blued version retails for \$24.97 and the stainless steel is \$29.97. Contact: Ram-Line, Inc., 10601 W. 48th Ave., Dept. ASG, Wheat Ridge, CO 80033; (303) 467-0300.





Day 'N Night Desert Suit

U.S. Cavalry's new desert camouflage suit is made of the Space Age fabric known as Gore-Tex which provides wind and water protection while at the same time permits inside moisture to vent out through the breathable membrane. The camouflage colors and pattern are the new official desert pattern for the military. Experience in the Persian Gulf indicated that the old six-color pattern had brown and black colors that were too dark. The new pattern takes from the old only the lightest three colors. The suit is built durable and features YKK zippers, snap closures, drawstring hood and waist, and access pockets on each camo side. Suggested retail price is \$179.95 for the parka and \$129.95 for the trousers. Contact: U.S. Cavalry, 28855 Centennial Avenue, Dept. ASG, Radcliff, KY 40160-9000; (800) 333-5102.



NEF Turkey Gun

New England Firearms has introduced a 10-gauge magnum turkey gun that offers quality and value at a modest price. The gun is currently available in dealer's stores throughout the country. The 28-inch full, 3½-inch magnum shotgun meets the demands of turkey and waterfowl hunters for a hard-hitting, long-range shot-

gun that is sturdy and reliable. Its affordability makes it an attractive alternative for the serious hunter of big-game birds. A number of features make the NEF 10-gauge turkey gun an outstanding performer in the field: break-action, side lever release with positive shell ejection; interchangeable use of lead and steel shot for maximum flexibility; transfer safety bar

that prevents accidental firing from a blow to the hammer; ventilated recoil pad to ease recoil; full choke for greater pattern density; handsome American hardwood stock and forend with walnut finish; full pistol-grip butt stock; gold-bead front sight for quick target acquisition. New England Firearms, Industrial Rowe, Dept. ASG, Gardner, MA 01440; (508) 632-9393.

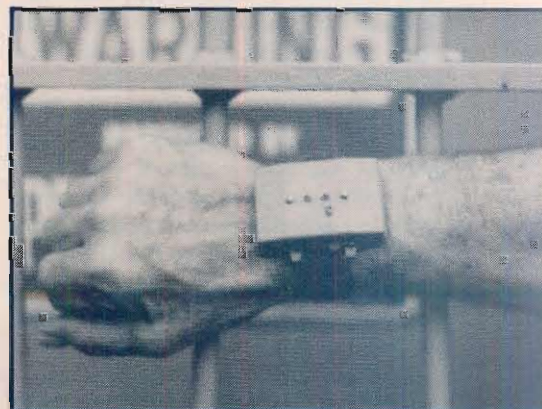
vated batteries, street robberies, and forcible rapes. The debilitating effects are temporary and there is no lasting harm. It does however leave two tiny burn marks on a subject's clothing and skin, positively identifying an attacker for police. Suggested retail is \$49. Contact: Soltech, P.O. Box 171594, Dept. ASG, Kansas City, KS 66117-0594; (913) 621-3260 or (800) 322-STUN. ●

Atlanta Discount Ammo Catalog

Atlanta Discount Ammo is one of the largest mail order ammunition suppliers in the U.S. They also offer one of the largest selections of ammo at the lowest prices. Their 52 page catalog contains Hansen, Fiocchi, Winchester, Hornady, Federal, Power Plus, CCI, Remington, and Norma ammunition among others as well as shooting supplies, brass and accessories such as magazines and cleaning supplies. Catalog is \$2. Atlanta Discount Ammo, P.O. Box 258, Dept. ASG, Clarkesville, GA 30523; (404) 754-9000.

Wrist Stun Gun

Soltech has developed a greatly miniaturized electronic self defense device that is worn around the wrist on a band with hook and loop closure, much like a timepiece. When in a threatening environment the wearer actuates the weapon by turning on a small switch. The device looks nothing like a weapon and is already on the defender's wrist — no need to dig into a purse or coat pocket. Assailants are normally totally unaware that their would-be victims are resisting — until they are flat on their back! An excellent countermeasure against aggra-



Economy of the Nineties

Economic Survival:

What should you do to be prepared for financial conditions which may develop over the next few years?...

By Reynolds Griffith

The author holds a Ph.D. and two professional designations in finance. He is the author of Dealing with Turbulent Times, as well as articles on survival and on finance — The Editors

WILL the long economic expansion of the eighties repeat in the nineties or will we face renewed inflation, more frequent recessions, or even depression?

Before we get far into the decade, we should pause and reflect on the economic conditions likely to affect us and what we should do to prepare for them.

We should consider both direct economic trends and related trends in our world. We'll begin with international trends, then move to an examination of the domestic patterns. Finally, we'll consider the steps you should take to survive the economic turmoil of the nineties.

The threat of nuclear war seems to have declined, although until recently there has been no real reduction in the Soviet military capability. I've long believed that the Soviet Union couldn't afford to nuke us. That is even more true now — who would bail them out if they destroyed our economy?

In fact, the Soviet strategy seems to have been to win World War III without a nuclear war by gaining control of key points such as the Middle East, Southern Africa, and Central America. Recent events have set back their ambitions in this regard, at least for the time being. However, any renewed success in this strategy would have unfavorable implications not only for our economic well-being but for our political and religious life as well.

The recent Mideast crisis reminds us that international conflict short of a general war seems almost certain to be a continued feature of the nineties. With our dependence on foreign oil and other strategic resources, the U.S. economy is quite vulnerable. Events around the globe can have a negative impact on our economy.

The situation in Eastern Europe seemed to be on almost everyone's mind

until overshadowed by the Mideast crisis. It is fascinating to try to discern the origins and effects of these events. I tend toward the "it began as a subterfuge and got out of hand" view. That is, the economic condition of the Soviet empire made it necessary to get more help from the West. Appearing to loosen their hold on Eastern Europe would make this easier, especially for the Eastern satellites. The loosening led to genuine popular uprisings which have gone beyond what the Soviets planned. The turmoil has now spread to the Soviet Union itself.

We're likely to feel the effects throughout the nineties in ways we could not have expected a few years ago. The talk about "capitalism" and "free markets" coming to Eastern Europe is much too optimistic. There seems to be clear evidence at least in Poland that most everyone in leadership is a socialist (and just renamed communists in Bulgaria and Romania). Being anti-communist doesn't make one a capitalist. In any case, we're being asked to bail out failed socialist economies. The initial effect may seem beneficial to our economy with an increase in exports to the area. The long-run economic result will be

no more favorable than the loans and aid to the Third World.

We need to consider the domestic picture as well. Here we can see a continued race between the benefits of advances in technology and the numerous unsolved problems.

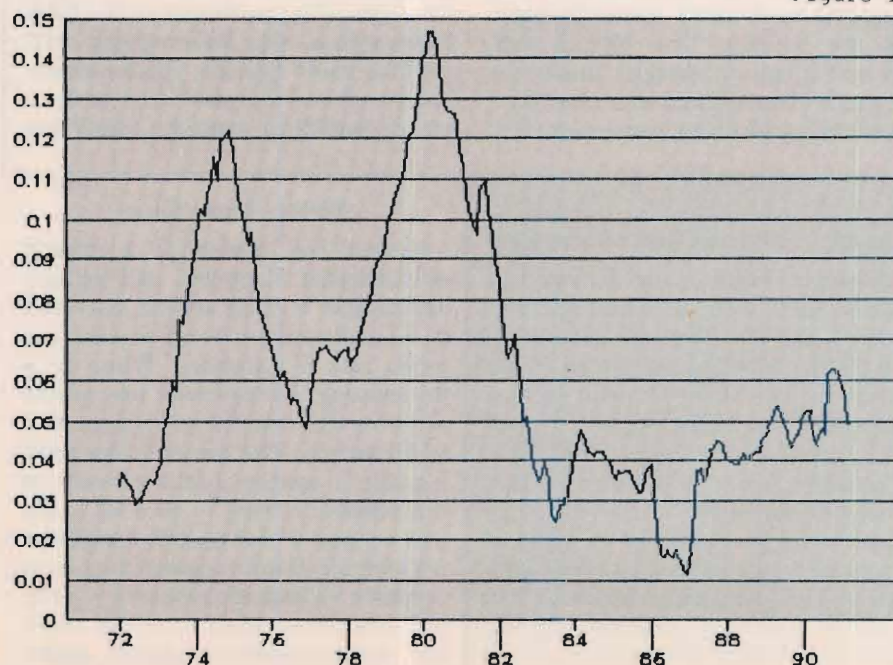
In the eighties, strides in technology, together with some reforms in government policy, kept the economy ahead of the problems, at least in terms of aggregate measures. The unusually long cyclical expansion in the economy also helped keep the problems from overwhelming us. Will these favorable factors continue to shield us in the nineties? Let's examine the problems.

We can see as likely the continuation in the nineties of the long trend of deterioration in the infrastructure and social fabric in America.

"Infrastructure" means roads, water mains, etc. — the basic physical elements on which our economy (indeed, civilization) rests. The crumbling infrastructure has received attention off and on over the past decade, including a congressional study commission. It is likely to be an even more significant problem in the nineties. Our roads aren't as well built as Rome's and

RATE OF INFLATION

Figure 1



don't last as long. We see only occasional reports of collapses of bridges in the news, but according to one expert, "most of the nation's bridges are plain worn out." Repairs, maintenance, and reconstruction haven't kept up with the need.

It is not just in the physical realm that we see a deterioration. Our cultural, educational, and value systems are declining as well. The problems of society are still gnawing away at the underpinnings of our economy. A continued decline of moral values will adversely affect our society and economy. Every social and economic system has a moral basis. Its maintenance is especially important for the well-being of even a semi-capitalistic system such as ours. (We often forget that Adam Smith was a Professor of Moral Philosophy). Many of our existing economic problems have their roots in the decay of virtue.

Our health system will be another concern in the nineties. New drugs and other technological advances get the publicity, but the AIDS epidemic has not gone away and health costs continue to escalate. A real crisis in health care could occur.

As the decade passes and the year 2,000 approaches, "millennium fever" is likely to grow, spawning all sorts of groups, with New Age sects at the forefront. Coupled with serious economic problems, some of these could pose more serious threats to our freedoms than communism. (Remember that Hitler was leader of a minor fringe group 10 years before he took power in Germany.)

Our financial system is still fragile. The savings and loan mess captured the headlines, but many banks and insurance companies are in poor shape too. The euphoric reaction to the success of the war makes it likely that the 1990-91 recession will be less severe than I had thought. In the next decade the financial system is still apt to be subject to strains it is not well prepared to handle. In the eighties we had only one recession, early in the decade. This was unusual and we are not likely to be so fortunate in the nineties.

We should not ignore inflation as a threat. In spite of the complacency of the past several years, it has not disappeared. Nevertheless you can see a few suggestions that deflation and **depression may be possible** (though "The Depression of 1990" didn't occur). Some have taken this view for so many years as to be hardly credible. How-

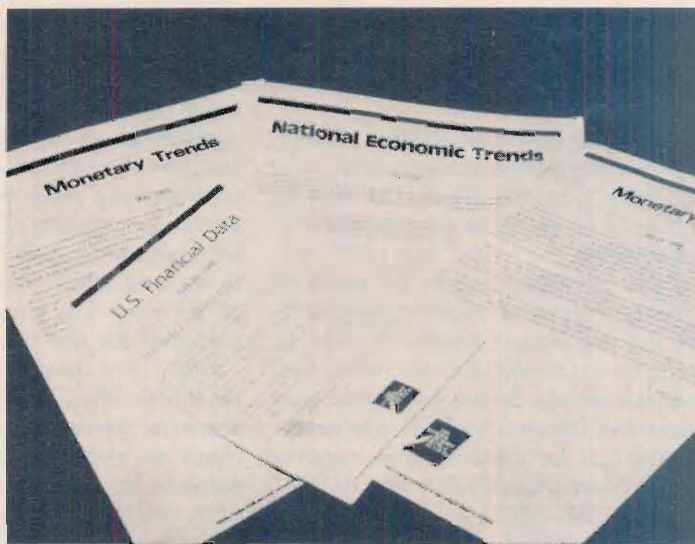
ever, Davidson and Rees-Mogg have been identified with the inflationist, hard-money camp. In their *Blood in the Streets* book they present deflation as a likelihood. They cite a variety of reasons, including many parallels to the deflationary twenties and thirties. Their thesis rests partly on an intriguing analysis of "megapolitics." By this, they mean the power results of shifting technology and the characteristics of transition periods between predominant world powers. Their arguments are not so easily dismissed as those of the advisers who have been blowing the deflationist trumpet for years.

Certainly, the rate of inflation drifted off in the 1981-82 recession and has remained below the levels of the seventies (see Figure 1). We should realize, though, that this is far from deflation. Even at the 5 percent rate of inflation of the past couple of years, prices double and money loses half its value every 14 years. During much of the eighties the growth rate of the money supply,

We could have a depression — that is, a substantial, drastic decline in economic activity — and at the same time have high rates of inflation. We have already seen a foreshadowing of this possibility. In 1974, we had the worst recession in over 30 years and inflation was as high as 15 percent in some months. We had substantial inflation right in the middle of recession. So, although we should keep the possibility of deflation in the back of our minds, depression with inflation is more likely.

This later possibility sounds strange to us; we think of deflation necessarily going with depression. In the thirties, though, we did not have the Federal Reserve pumping up the money supply quickly and consciously to try to offset economic declines. Thus, it is possible that in current dollar terms we may not see much of a downturn, but in real economic terms have a drastic downturn. An analogy might be that if in driving your car you started slowing down, but switched your speedo-

Federal Reserve publications are a valuable information source (Danielle Gamboa).



insofar as we can measure it, has been moderate. However, it is hard to imagine the Federal Reserve keeping a modest expansion of the money supply in the face of a drastic economic decline. Its record is to often jump in too soon with an excessive expansion. Davidson and Rees-Mogg argue that the Fed would (or could) not expand the money rapidly enough in the face of a crisis to offset the deflationary effects. It seems to me, though, that our experience with the bailouts of Continental Illinois and First Republic banks shows that bank failures no longer result in a contraction of the money supply. A resurgence of inflation seems more likely than deflation.

This doesn't rule out a depression.

meter scale from miles per hour to kilometers per hour. It could appear that your speed changed from 55 to 65, yet you would have actually slowed down. The inflationary impact of government and Federal Reserve actions could be similar — changing the scale of what a dollar measures. The economy could go down in real terms, but measures of it in dollar terms could be increasing because the value of the dollar was dropping.

What Should You Do? — Areas of Preparation. We are subject to a variety of risks arising from the turbulent times of the nineties. You cannot go to an insurance company and buy a policy as you do for some risks. You

Economy of the Ninties

can, however, have a do-it-yourself insurance program through readiness in the areas of physical, personal, financial, and relational preparation. Let me suggest some of what you need to do in each of these areas. The steps listed below are important ones, but are no substitute for doing your own detailed thinking.

Physical Preparation. Physical preparation means being ready with tangible items like food and other necessities. When many survivalists talk about preparing they are referring primarily to physical preparation. I hope that you will see the need for preparing in the other areas as well.

Readers of *American Survival Guide* probably don't need much discussion of physical preparation. Most are likely to at least be working on adequate reserves of food, water, and other physical items. This is the area given the most attention in ASG as well as by most survivalists. Thus, we'll concentrate on the other preparation needed for surviving the economy of the nineties.

Personal Preparation. The first aspect of personal preparation is understanding what's happening in the world. You need to examine your sources of information.

If you are depending on TV news as a primary source of information, you're not getting a good picture of what is going on in the world, in our economy, or in our society. So you need alternate sources of information. Private newsletters can be good in this regard. (*Daily News Digest*, P.O. Box 84902, Phoenix, AZ 85071 is an example). While newsletters can be expensive, you may be able to share the expense with others. Don't make copies and pass them around — that is not only a violation of copyright law, it's immoral. Share subscriptions by passing around the actual copy. Libraries don't usually have many publications that are good alternative sources, but some libraries might have a few.

The second aspect is to watch the economy. As I've suggested before, the Federal Reserve Bank of St. Louis publications are good for this. A monthly, *National Economic Trends* includes a discussion of current conditions on the front page as well as charts. Their weekly publication *U.S. Financial Data* has a brief summary of what happened the previous week to such series as

interest rates, leading economic indicators, etc. Inside are figures and charts on monetary and interest rate series. A real attraction of these sources is their low cost. A subscription to the monthly is free, the weekly costs just \$18 per year. Write the Federal Reserve (P.O. Box 442, St. Louis, MO 63166).

Another important area of personal preparation is your health. We see a greater awareness these days of the need to take action not only when sick, but to keep from getting sick by improving our health patterns. You should join this trend. Examine your eating habits to make sure that they are healthy, realize that regular exercise is important, and do whatever else might apply to your situation. The nineties are more stressful than many past times in our lives. Being subject to the additional stress makes having a healthier body especially important.

Financial Preparation. For financial preparation start with an analysis of where you are. You need to understand your present position, including the kinds and amounts of assets you have and the nature of your liabilities. This analysis of where you are is an important starting point for the rest of financial preparation. Then you proceed with planning. Ask "What do I need to do, and what will it cost for each of the steps I'm going to take to get prepared for the nineties?"

Next, you need to marshal your resources. That is, not only see what financial resources you have, but put them to work in the best possible fashion. You may have life insurance cash values, for example, that you can borrow. You may have other types of dormant assets that you could utilize. You may be surprised, if you examine your situation carefully, to find that you have more resources than you think.

You should examine your spending patterns to see the changes you need. You try to accomplish two results with this examination. One is to free up funds to use to prepare in other areas. It has become harder to save money for many people, even during the eighties. It is likely to be more difficult in the nineties.

If you can change your spending habits, you can free up funds to put to more important uses. The second purpose is worthwhile too. It is better to gradually adjust your living patterns

beginning now than to wait until something happens and try to adjust suddenly to perhaps a much lower living standard.

You should always have a liquid reserve fund, but it is especially important in the turbulent nineties for it to be adequate. A traditional rule of thumb is a reserve fund equal to six month's income. It is more realistic to say six months living expenses (including debt payments) since that is the part of income which would need replacing. The reserve fund can encompass a variety of assets, including a modest amount of cash kept at home, the minimum balance in your checking account, and a money market fund or money market deposit account. Some of your stored food and other usable items can be counted as part of your reserve fund. Given the degree of monetary turmoil that is possible, including pre-1964 silver coins is advisable.

With the widespread bank and savings & loan failures you may worry about keeping part of your reserve fund in deposit accounts. In the past I've advised people not to worry about deposit accounts in spite of the widespread bank and savings & loan failures. This was because the FDIC has generally arranged for another bank to take over the accounts of a failed bank with little or no inconvenience for smaller depositors. Alarmists point to the small reserves held by this agency in comparison to the potential



Your liquid reserve fund should include some pre-1964 silver coins (Danielle Gamboa).

losses. This overlooks the ability of the U.S. Treasury to create money to back them up. However, it is possible that the number of bank failures in the nineties could temporarily overwhelm the resources (personnel as much as financial) of the FDIC. Thus, it seems wise not to keep all your deposits in any single bank.

The last suggestion here may sound strange. You should avoid debt. There is a common view that in times of inflation you ought to go into debt because "you pay it off in cheaper dollars." But the dollars are cheaper to pay off the debt later only if your income increases faster than the rate of inflation. In fact, it often happens for many in a period of inflation that our debt-carrying capacity doesn't increase. Rather, it decreases because of the increased cost of living in relation to after-tax income.

Survivalists may be tempted to ignore the dangers of debt, thinking that in case of a major collapse, whether from war or internal causes, it will no longer matter. However, when we are in a period of turmoil like we're talking about, there is a greater risk of interrupted income and having your debt carrying capacity reduced. There might be some exceptions (such as an investment which pays for itself), but in general the best policy is to avoid debt in a period such as the nineties are likely to be. It would be unfortunate for your long-term preparations to be sidetracked by financial problems in the near term.

Relational Preparation. There are several important aspects of relational preparation, including our family relationships. One is better off to have some kind of support group that you can depend on and work with. A co-op can help. Most of them emphasize current fresh produce and similar foods, but they don't have to. They can be more oriented toward working together to prepare for turbulent times. Another possibility is neighborhood groups. If you are in an area where some of your neighbors are concerned as well, a neighborhood group makes a great deal of sense. If nothing else, you should have an informal network of concerned contacts and friends with whom you might be able to work.

We can anticipate greater turbulence in our society and economy in the nineties than we experienced in the eighties. Consider what adjustments you need in your preparation to survive the problems such turbulence could bring. ●

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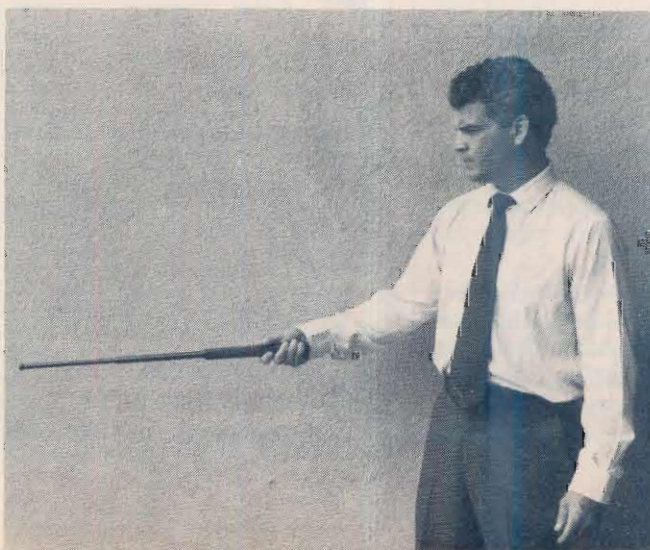
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(Continued on page 77)



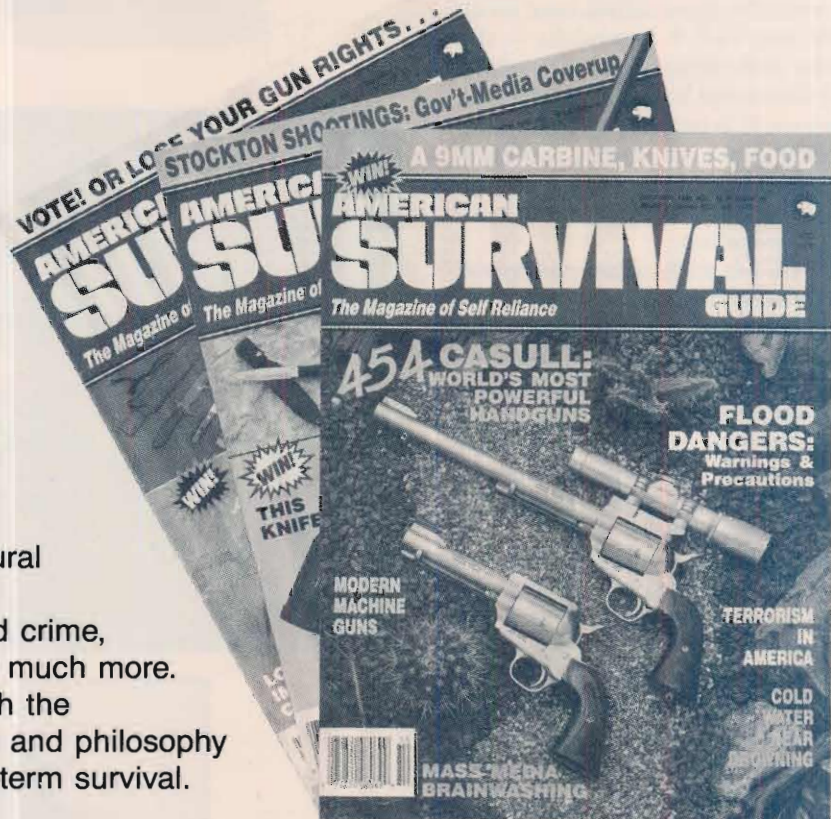
A sharp flick of the wrist opens the ASP baton.



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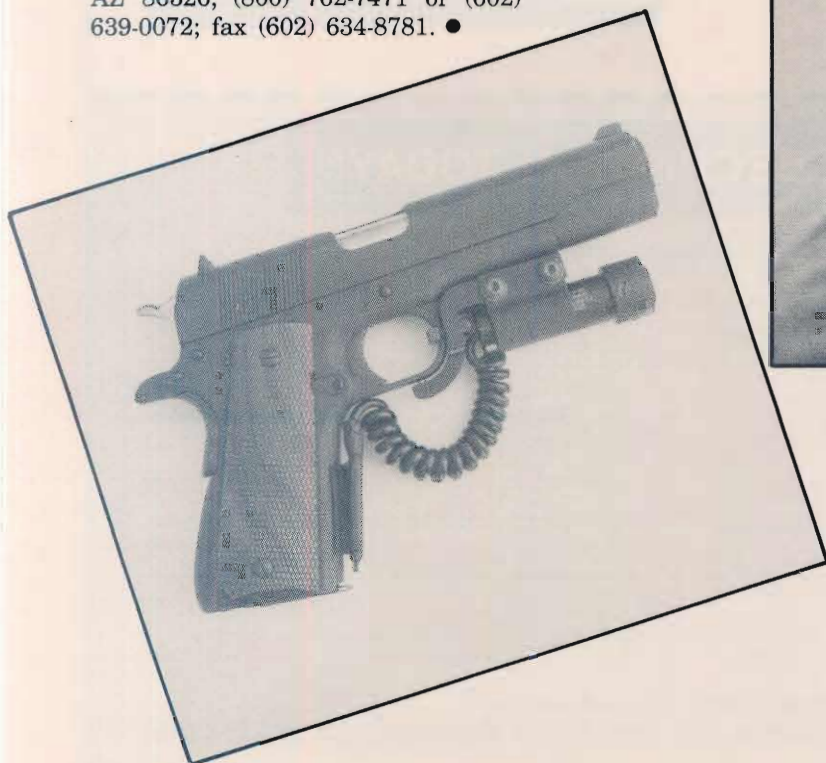
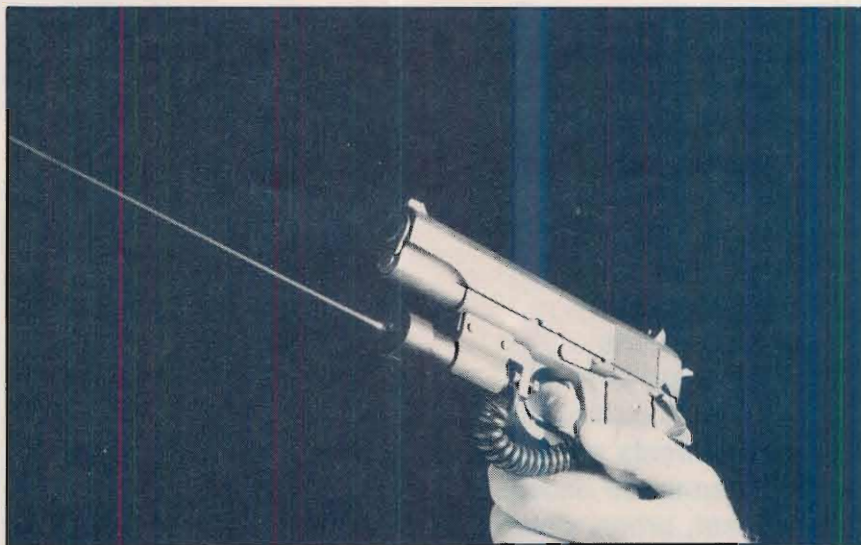
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Exactor Pistols

RAM-Line is a well known and respected name in the firearms industry.

Ram-Line stocks, magazines and other accessories for a wide assortment of handguns and rifles are popular and well made.

The firm recently made its debut as a gun manufacturer with the introduction of its new ultra lightweight "Exactor" .22 LR semiautomatic pistol made with high tech polymer and steel parts. The first of what has become a growing line of Exactors is now called the Dynamic Exactor. This pistol was named Handgun of the Year for 1990 by the American Firearms Industry (N.A.F.L.F.D.). It's the lightest weight and highest capacity (15-round magazine capacity) of any .22 LR pistol on the market.

More recently, Ram-Line has come out with a Conventional Exactor model (referring to the grip), and a new Target model with 8-inch barrel.

The Dynamic model with 5.5-inch barrel weighs just 20.3 ounces empty, while the Conventional 5.5-inch model weighs 21 ounces and the Target Model is 23 ounces.

The firm has also introduced a number of accessories for these guns, including new adjustable sights, 20-round magazines and even colored receivers.

Also shown in this article is an experimental Exactor compact model with 4-inch barrel and 13-round magazine. This gun is only a prototype. It weighed in at a little under 20 ounces empty. If a demand develops for it, a production model may not be far behind. The word is there may soon be other caliber versions of this increasingly popular handgun as well.

The original Exactor with 5.5-inch barrel has what is referred to as a "Dynamic" one-piece grip. It's engineered to fit the human hand naturally and is tapered from top to bottom with a contour in the palm area. The one-piece grip which constitutes the lower receiver, along with the patented hybrid barrel and other parts, are made of a glass-filled injection molded polymer compound which is very similar to the material used on the stocks and

A line of Space Age .22 LR semiautomatic pistols from the respected maker of firearms accessories...



One of our groups with Federal Champion standard velocity target ammo fired in the Target Exactor fitted with Burris 1½X4X LER scope from 25 yards. Note the two sets of touching hits at bottom.

pistol grips of our military's M16 rifles. It's very light in weight and extremely strong. Ram-Line now has a "Conventional" grip Exactor model with a grip configuration similar to that found on the 1911A1 .45 pistols. Both types of grip take the 15- or 20-round clear plastic Ram-Line magazines. These clear plastic magazines allow the user to see how many rounds are loaded at any time. Each type of grip uses magazines designed just for it so make sure you specify what type grip you have in ordering additional magazines.

The barrels of the Exactors are a hybrid of polymers and steel liners (bores). The receivers (actually the upper receivers) are aluminum alloy and the bolts are tool steel.

The Exactor's patented constant force sear gives the shooter a smooth, consistent trigger pull right out of the box. The Target model has a special 3-pound trigger pull.

The safety lever on these guns can be activated with the thumb of the right hand without changing your grip.

(Continued on page 64)



The Target model with target rear sight and scope mount. Barrel has dovetail for mounting laser sight or flashlight and counterweight cavity.



The prototype 4-inch performed well. It has a small grip and stubby appearance.

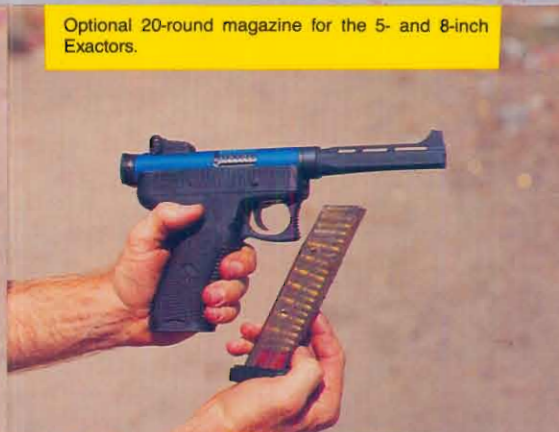


Ram-Line's new Exactor .22 LR pistols, clockwise from upper right: 5-inch model with standard grip and sights; 5-inch model with adjustable sights and conventional grip; 8-inch target model with adjustable sights and conventional grip; and prototype 4-inch model with adjustable sights.

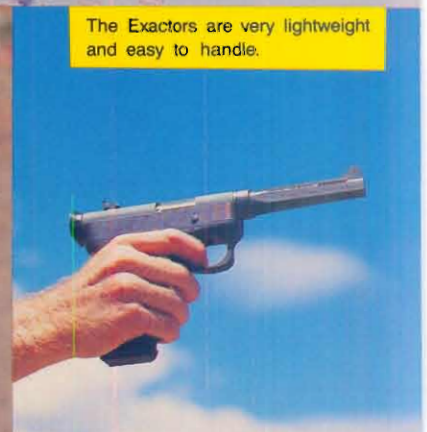
Optional forest green or royal blue colored receivers for the Exactors are appealing.



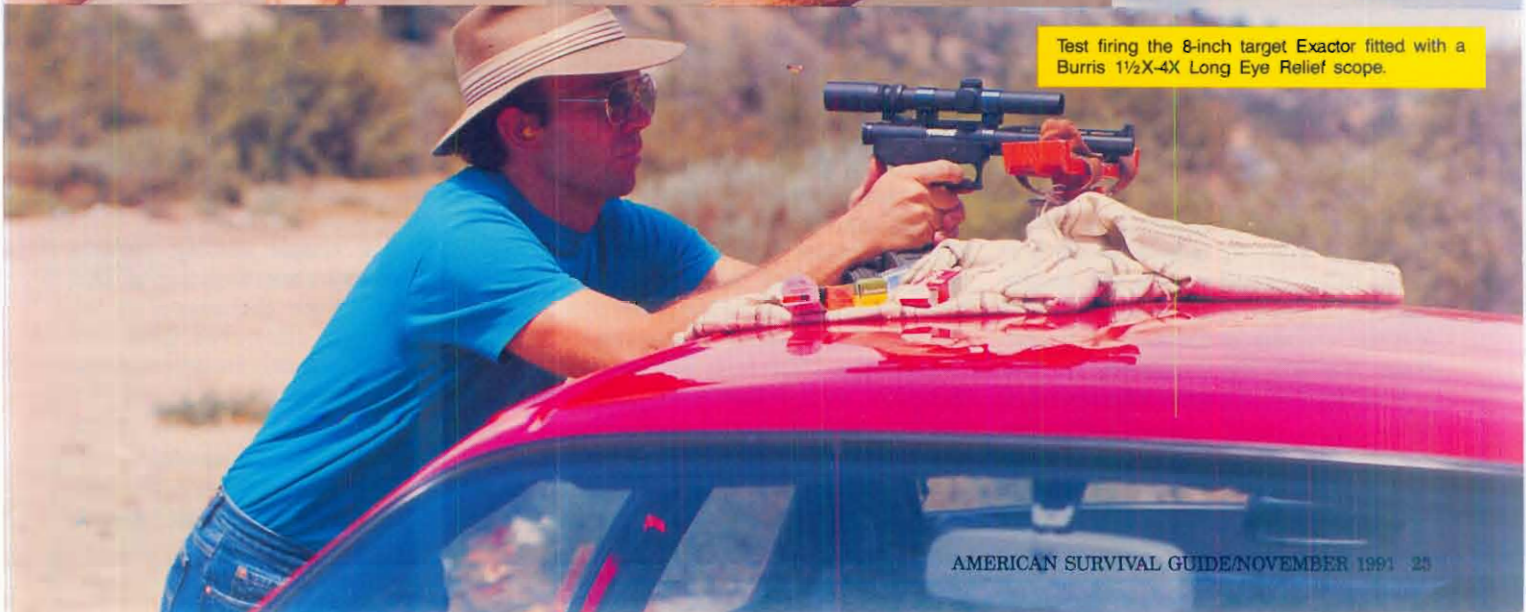
Optional 20-round magazine for the 5- and 8-inch Exactors.



The Exactors are very lightweight and easy to handle.



Test firing the 8-inch target Exactor fitted with a Burris 1½X-4X Long Eye Relief scope.





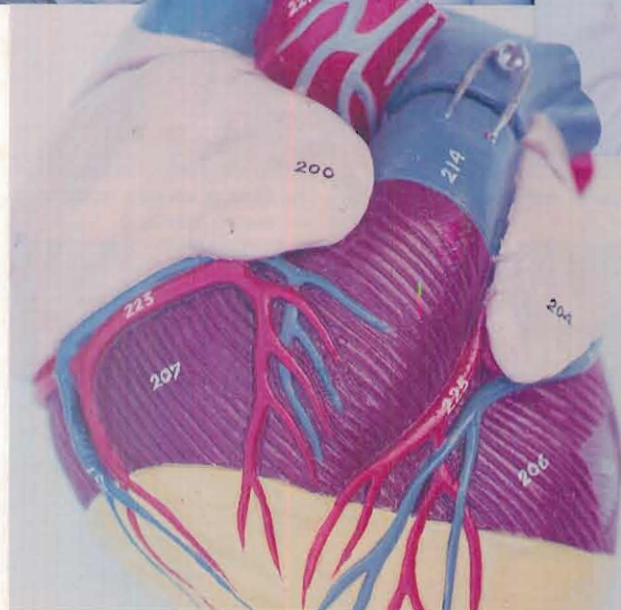
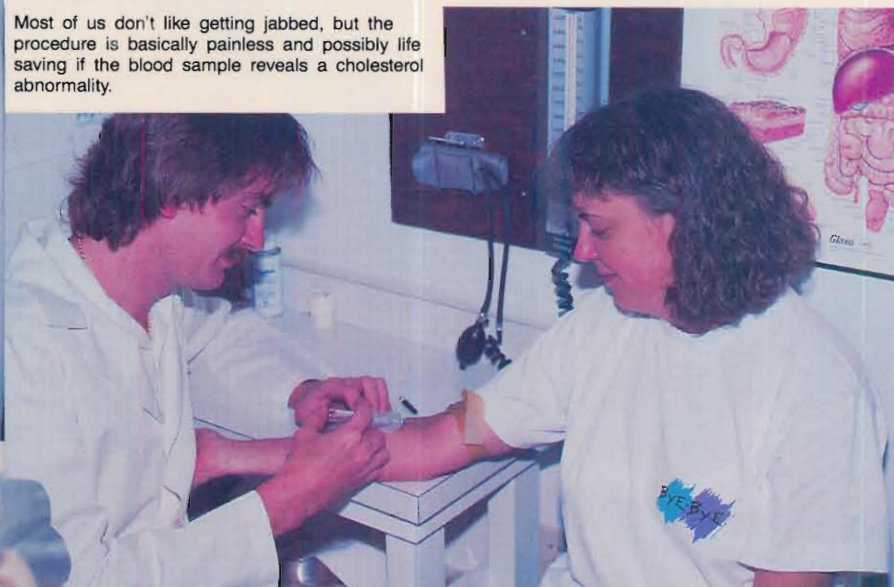
Lab data is critical in determining cholesterol values

Silent Killer:

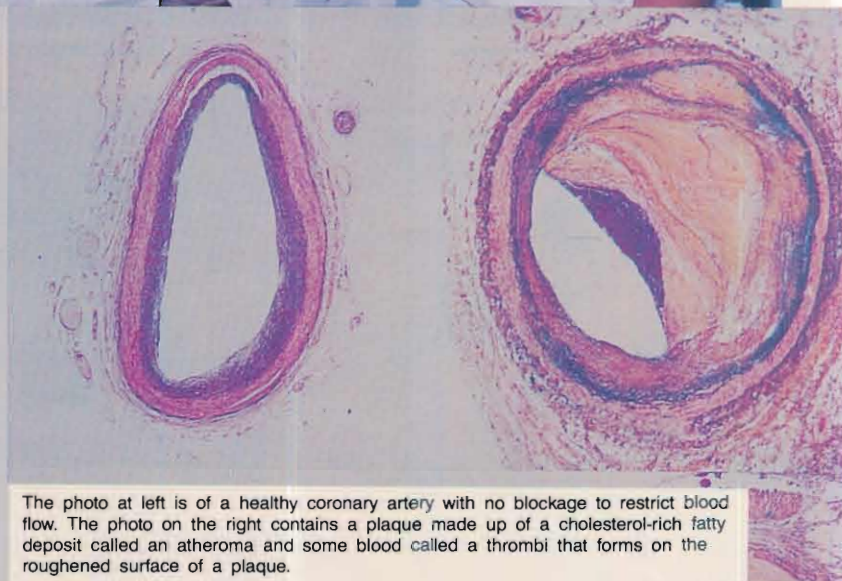
Cholesterol and Heart Disease

'Your total cholesterol should be under 200 mg/dL. If over 240, this is considered high'...

Most of us don't like getting jabbed, but the procedure is basically painless and possibly life saving if the blood sample reveals a cholesterol abnormality.



Even though the heart pumps the body's blood, it is still itself a muscle that needs a supply of blood. This is done through the coronary arteries, the small vessels pictured on this model. Blockage of these vessels by plaques is what causes a heart attack.



The photo at left is of a healthy coronary artery with no blockage to restrict blood flow. The photo on the right contains a plaque made up of a cholesterol-rich fatty deposit called an atheroma and some blood called a thrombi that forms on the roughened surface of a plaque.

George E. Dvorchak, Jr., M.D.

IF you live in the city, are old or young, male or female, there is a silent killer deadlier than any sniper waiting to claim you as one of the half million who die in the U.S. each year from coronary heart disease.

According to a recent speaker at a 1991 Lipid Intervention Conference sponsored by Merck, Sharp & Dohme that my brother Matt, a family practitioner, and I were fortunate to hear

on the topic of cholesterol (hypercholesterolemia), it was stated that over 7 million Americans suffer from recognized coronary heart disease (CHD) while three or four times that number have it but are not aware of the potential disaster waiting to happen.

Annually, CHD kills more than all forms of cancer combined. Without quality medical check-ups or physical signs of heart disease, the sad fact is that many are not aware of the risk until it is too late.

Yet, as bleak as this sounds, there is something that can be done through the use of blood chemistry.

With this simple testing, certain blood chemical abnormalities as pertaining to a high cholesterol or triglyceride can be discovered. These are values that if properly interpreted can be used to begin treatment to stop this health sniper in its tracks. With the way Americans are unnecessarily dying, this disorder has to be addressed.

To best understand this topic by bet-

ter knowing the enemy, a review of coronary heart disease along with the defining of some basic terms through questions and answers is in order. Although a different approach to a presentation, I hope that this format will answer questions you may have while presenting a lot of new information that can be easily grasped.

WHY IS CHOLESTEROL IMPORTANT?

To simply answer this, it is a major risk factor for developing CHD or coronary heart disease. As your cholesterol levels rise, the chance for developing heart disease also increases.

WHAT IS CHOLESTEROL?

Chemically, it is simply lipid or a substance that is highly fat soluble but only slightly soluble in water. Included within the term lipid are groups of fatty substances that in itself includes STEROLS, TRIGLYCERIDES and PHOSPHOLIPIDS. The important thing to know about these three is that cholesterol, or the sterol of vertebrates, is often converted into hormones and vitamins; phospholipids are necessary parts of a cell's membrane while triglycerides are the body's principal fat or fatty substance that is measured in your blood. Triglycerides form the bulk of the body's fat which is stored for later use as energy. One cause of a low triglyceride can be malnutrition which makes sense since when starving, your body draws upon its stores of sugars, fats, proteins, etc. A few causes for an increased value could be pregnancy, pancreatitis, diabetes mellitus, nephrotic syndrome, familial hypertriglyceridemia or a liver disease.

WHEN DOES CHOLESTEROL BECOME A HEALTH RISK?

Again, simply speaking, when there is more of this fat-like substance in your body than is needed.

WHERE DOES CHOLESTEROL COME FROM?

The liver makes most of it from various foods and especially from saturated fats, or fats that mainly come from animals and tends to be solid at room temperatures. These should be less than 10 percent of your diet. They include foods that contain peanut oils or animal fats as whole milk, some cheeses, eggs, creams or butters and foods packaged in it, to name the most popular ones. Therefore, the liver makes cholesterol and it is gotten through direct absorption from many of the foods we eat.

SINCE A MAJOR HEALTH CONCERN IS CHOLESTEROL, IT THERE-

FORE MUST ALL BE BAD.

Too much of anything is bad and how much is too much depends on many factors as age, genetics, male or female sex, habits, health, etc. The part of cholesterol which we seldom hear about are its positive functions. First, it is needed by the body's cells to make certain membranes. It is necessary to make some hormones, vitamin D and bile salts, which are sodium salts of bile acid and are normally in bile. This fluid that is secreted by the liver and dumped into the small intestine, specifically the duodenum, aids in the digestion and absorption of fats. Cholesterol is also involved in the transportation of fats in the blood to tissues in the body. The main fat in the body, or triglycerides, are found in the body's fat stores where it acts as an energy reserve as well as provides protection to some organs and insulation to the body as a whole. Bile acids are made from cholesterol exclusively in the liver.

When the total cholesterol and/or triglycerides are high, then it is time to check some other values. To get a handle on this, a few more definitions are in order.

WHAT ARE THE FOUR CLASSES OF LIPOPROTEINS AND THEIR IMPORTANT FUNCTIONS?

Lipids, carried in the blood, bound to protein are called LIPOPROTEINS. They help to regulate the blood cholesterol levels. Since cholesterol is not dissolved in the blood, lipoproteins "carry" it. The four classes of lipoproteins are: first, the CM, chylomicrons. These are the largest lipoproteins and are normally present only after the eating of fat. They transport ingested fats! Secondly, the VLDL or very low density lipoproteins contain mostly triglycerides. They are produced in the liver. Next we have the LDL or low density lipoproteins which mostly contain cholesterol and are from VLDL metabolism. It is responsible for depositing cholesterol in the lumen of the arteries. The last class is HDL or high density lipoprotein. This is known as the good guy since it picks up cholesterol and carries it back to the liver for processing and EXCRETION. It is formed in the liver and intestines. The VLDL and LDL carry cholesterol through the blood and deposit it in cells. This is where you later get into trouble since when excess cholesterol builds up on arterial walls, you get what is known as an atherosclerotic plaque. This is correlated with blockage (occlusion) of arteries which leads to a heart attack.

TO VIEW THE OVERALL PICTURE OF RISK FACTORS TO CORONARY HEART DISEASE, WHAT ARE THEY AND WHERE DOES CHOLESTEROL FIT IN?

The most important risk factors to developing coronary heart disease, better known as CHD are the following:

A high cholesterol (hypercholesterolemia); A high blood pressure (hypertension); Smoking cigarettes/chewing tobacco; Having diabetes mellitus, types 1 or 2.

Other risk factors are:

Being born a male; Increasing age (There is evidence that the treatment of high blood cholesterol in someone elderly could be as beneficial as in someone younger. Do not ignore this factor just because you are no longer 21); Low HDL levels, meaning less than 35 mg/dL; family history of hyperlipidemia or a family member who has or had CHD at an early age; Being 30 percent overweight; Living a sedentary lifestyle; having a Type A or aggressive personality; You having a history of cerebrovascular or occlusive peripheral vascular disease; having a daily high fat diet.

On looking back over this list you will notice that many of these are risks that you were NOT born with, meaning that self control and/or medical intervention can change or eliminate them as a risk to you.

HOW DO WE KNOW THAT CHOLESTEROL IS RELATED TO CHD?

Various studies have indicated this such as The Framingham Heart Study which began in 1949 with over 5,000 men and women aged 30 to 65. It demonstrated that a high total cholesterol is a risk factor for CHD. Since that study there have been others, such as the Multiple Risk Intervention Trial that came to this same conclusion.

For those of you who like to think in percentages, data from these studies has shown that for every 1 percent you go up on the cholesterol scale, the subsequent heart attack rate goes up 2 percent. If you already have a high cholesterol, you can look at this by how much your risk is lessened by dropping a few percentages on the scale. You can either increase or decrease your risks for a heart attack.

WHEN AND WHO SHOULD BE TESTED FOR CHOLESTEROL?

The American Heart Association recommends that all adults over 20 years old should be tested at least once every 5 years. When it comes to children, they should also be screened

Cholesterol and Heart Disease

if they are from a high risk family. This refers to a family that a parent or a brother/sister had a heart attack (myocardial infarction) or sudden death before age 55.

WHAT NUMBERS SHOULD I BE AWARE OF?

Generally speaking, your **TOTAL CHOLESTEROL** should be under 200 mg/dL. If over 240, this is considered high and you should get a lipoprotein analysis if two or more follow-up readings confirm this. Other numbers to be aware of are:

LDL: Should be below 130 to 160mg/dL, depending on additional risk factors.

This is an estimated number arrived at through the following formula:

$$\text{LDL} = \text{Total Cholesterol} - \text{HDL} - \text{Triglycerides} \div 5$$

If the triglyceride level is greater

pains, say 5-10 years down the road, you are already in serious trouble. The coronary occlusion from plaque formation is best treated and therefore stopped before it gets started.

We are now ready to mention a little about the types of primary hyperlipoproteinemias (excess of lipoproteins in the blood), of which there are types 1, 2a, 2b, 3, 4 and 5. The lab data covered as well as the clinical findings and history are all used to put someone with a problem into a specific group. This is important since, depending where you land, the treatment could be weight loss/diet and/or medication. Problems as a result of the type you may have could range from xanthomas to premature atherosclerosis and/or pancreatitis, etc.

I do not feel that much would be served by a detailed discussion of the

today's modern lab equipment and awareness of the pitfalls of too much cholesterol, there is no excuse for a doctor not to treat the cause of coronary occlusion with medications, diet/habit modifications and an exercise program. Another problem concerns lab values since what is a normal number for one lab could be a high number for another. Follow what the normal values for that lab are.

Diet & Prevention — Due to the importance of diet in prevention and treatment, this next section is appropriate to complete this presentation.

When you think of diet, you should be concerned with saturated fats which should be less than 10 percent of your intake. These, as previously mentioned are creams, butter, whole milk, etc. The other fat is the unsaturated version that includes low fat cottage cheese, sea food, etc.

Generally speaking, you should only have two eggs a week since the yolk is loaded with cholesterol. Also, eat lean meats, chicken without the skin, turkey, some fish, green vegetables, etc. Oat bran found in cereals is also good since it binds bile acids, which increases the proportion of liver cholesterol that forms new bile acids instead of forming new low density lipoproteins.

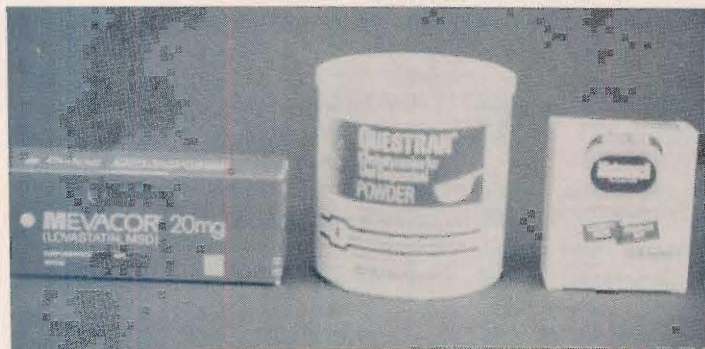
Avoid bacon, sausage, high fat and deli meats, some hot dogs, etc., all the things I personally like to eat.

Even when being careful, you can consume the wrong things. An example is peanut butter that advertises NO cholesterol. The overlooked problem is that it is loaded with saturated fats which is just as bad.

Also, be careful how you cook that food. Take a raw potato, it has about 7 percent fat. Make it into french fries and it is now 77 percent fat. It is generally best to bake or broil and not fry in grease. Cut away all fat before cooking!

To get a better handle on what is good for you, read the packages and mostly purchase low fat foods. But then, careful with all of the artificial chemicals you may be pouring into your system.

You can not cut it all out and your body does need a variety of food for a balanced diet. With exercise and being careful what you eat, you will be a survivor by stopping this sniper in its tracks. ●



These are some of the products used to treat hypercholesterolemia.

than 400 mg/dL, this formula is not as accurate and therefore, the LDL should be arrived at by ultracentrifugation. Because these increase after a meal, you should fast for 12 hours before the test is done.

HDL: Due to its protective role, this should be **ELEVATED** or generally **ABOVE 35 mg/dL**.

TRIGLYCERIDE: Normal range is between 20-180 mg/dL.

Another number is the **HDL RATIO RISK** which should be under 4.5 with 3.5 being ideal. It is arrived at by the following formula:

$$\text{Total Cholesterol} \div \text{HDL} =$$

An example of this would be a patient with a Total cholesterol of 397 mg/dL and an HDL of 48. His ratio risk when divided out would be 8.27 or elevated.

I believe that you now have a better idea of how cholesterol fits into the risk of developing CHD. If you have a high cholesterol level in your blood and do not take care of it while you are symptom free, by the time you get chest

various medicines available since they must all be ordered by your medical doctor, except one, the vitamin nicotinic acid or niacin. It can be used along with diet for all types except type 1. This sounds simple but it is not since this over-the-counter medicine can cause stomach upset, flushing, hyperuricemia and liver damage. This is why your liver functions with its use should be monitored, a test your doctor has to order. What this all boils down to is if you need to be treated, then seek a qualified doctor who is up-to-date on this disorder and who will logically treat the whole problem and not simply a patient's symptoms. You cannot ignore the causes. I am sorry to say that not all doctors, no matter how many certifications are behind their name, are good.

An example could be a patient with chest pains. Too many doctors will prescribe a medicine to stop the pain without going after the cause. With

Photos courtesy of the
National Hurricane Center

Devastating Weather:

Hurricanes

There is nothing we can do to prevent hurricanes but preparedness and awareness can keep you ready to take protective action...



Hurricane Eloise hit the Roundwater Motel in Florida — built less than 100 feet from the water — with a storm surge of 16 feet. The water undermined the entire east wing. The surge was so strong even bathroom fixtures were swept out of the building.



By Bennett Viken and Robin Sutton

IN 1900, the year of the turn of the century, it was a time for Americans to be proud.

We had just won a two ocean war with a major European nation. President McKinley had announced a \$46 million surplus in the Treasury, and the newspapers told tales of our brave troops battling the Boxers in China while Carrie Nation fought her own battle against booze by chopping the

spirits out of America's saloons.

Americans felt all-powerful. If we remembered anything about nature's destructive fury, such thoughts were fading. Certainly few thought of the Peshtigo, Wisconsin, forest fire that had killed 1,182 in 1871. The Johnstown flood's fury of 1889 had swept the lives of 2,200. Somewhere in the backs of our minds we knew that nature was a powerful force; still, few paid attention to the Havana weather station's report of a small growing hur-

ricane in the eastern Caribbean.

In Galveston, Texas, 1,500 miles from the infant storm, 25,000 residents went about their business as thousands of vacationers frolicked in the surf and sand. Even Isaac Monroe Cline, chief forecaster at Galveston's weather bureau took little notice. At first.

On September 4, the storm was passing north over Cuba. The next day he heard, at 11:20, that it was nearing Key West. Thursday, the following day, there was no word. Friday the baro-

Hurricanes

Tornadoes are often spawned on the perimeter of the storm.

Homes on slabs near the water are at risk during a hurricane.

The pyrotechnics accompanying a hurricane can be spectacular.

metric pressure in Galveston began to drop as the winds freshened.

Cline hoisted storm warning flags Friday afternoon. During the night the winds increased. Saturday morning Cline found several inches of water around his house and knew the storm tide had already risen over five feet. His suspicions settled into a dead certainty. Quickly he harnessed his horse to the sulky and raced to the beach where throngs of tourists seeking relief from the late summer's heat flirted

with the great waves then rolling ashore.

Screaming to be heard over the roar of the surf, Cline pleaded with the bathers to make for the high ground in the center of town, a mere 15 feet higher than the beach, a slight advantage that could still save lives in the face of the tidal crest. Some listened; many didn't.

At noon Cline knew he'd done all he could and whipped his tired horse back to the telegraph office. In the face of

a serious storm he sought to summon help, but the lines were down. Discouraged, he made his way to the telephone office and was able to place a call to his superiors in Houston. That was Galveston's last contact with the outside world until the storm had passed. At five o'clock the anemometer atop the weather bureau office was blown away. The winds has surpassed 100 mph, its highest reading.

As Cline struggled home to help his

family, he found that people were literally being blown about the streets. One big, wind-driven man rolled down the center of a street like a bowling ball. The slate shingles that had replaced cedar shingles as a fire preventative whistled through the air like meat cleavers, whacking off arms, carving heads from bodies.

At eight o'clock the water had risen about 10 feet. Ships had broken from their moorings, and huge, ocean-going vessels drifted inland, bobbing and slewing against floating houses, crushing them to tinder.

And then the monstrous storm surge thundered ashore with a swell that lifted the water 20 feet above normal sea level.

At one moment Cline stood in his parlor, ankle deep in seawater; in the next, the water rose to his armpits as a huge boom rumbled through the house. The next crash tore walls from ceiling, from roof. The house disintegrated.

Cline and his wife huddled their baby between them as they clung to a section of wall. Sometime during the night his wife was swept away and Cline was knocked unconscious. When he revived, he was relieved to find that he was still clutching his child. At last his makeshift raft lodged on a bit of high ground where he and his child cringed through the rest of the night, always fearful of being swept out into the Gulf.

The morning's light discovered a world of horrors: the body of Cline's wife was snagged to the underside of the wall raft, just inches away. A baby dangled from a roof where its distraught parents had nailed its wrist in a vain attempt to save its life. Bodies were piled high, as the day cleared, their stench became overwhelming. Worst, perhaps, were the ghoulis looters moving among the dead and sometimes victimizing the living. Many were shot by armed civilians and National Guardsmen who recognized the human vermin for what they were.

In spite of relief efforts led by sprightly 79-year-old Clara Barton, who later founded the Red Cross, conservative estimates put the toll at 6,000 dead in the city and 2,000 elsewhere. Although tourists, transients and seamen were not counted, the official, conservative numbers tagged Galveston's devastation the worst natural disaster in American history.

Storms like the one that hit Galveston nearly a century ago bear different names depending on where they wreak their destruction. Our textbooks

call them all tropical cyclones, and from the Indian Ocean to the Arabian Sea they are called cyclones. In the Western Pacific and Asia they're known as typhoons. We call our Atlantic, Caribbean and eastern Pacific storms hurricanes.

Most Devastating Weather — A hurricane is weather at its most devastating. While a tornado's winds may reach higher velocities, nothing spreads its fury over so wide an area as the hurricane. And it may spawn its own tornadoes. Hurricane force winds gusting to 200 mph or more may extend over areas stretching 200 miles. Gale force winds may extend over 600 miles. Some large hurricanes have spread their influence in a band more than 1,200 miles wide. And that breadth may stretch along a path of destruction hundreds of miles long as the hurricane blows out in power in what may be a few hours or weeks. In 1899 the San Ciriaco storm blew for nearly five weeks. As a hurricane moves along at 15 to 25 knots (or more) it can travel well over a thousand miles at sea and then go another thousand over land. In 1969, "Camille" travelled a 1,120 mile arc from Louisiana to Virginia.

The immense strength of a hurricane is difficult to grasp. The power produced by a typical storm in a single day is about the same as the United States' total output of electrical energy for an entire year. The average hurricane holds dynamic forces equal to 500,000 atomic bombs of the Nagasaki type.

A hurricane is a gigantic heat engine feeding off huge quantities of hot, moist air. To fuel this wind monster a vast surface of water at least 81 degrees Fahrenheit is needed. Rarely, hurricanes can form over water as cold as 75 degrees Fahrenheit if much colder air is present aloft. But most frequently they form in a belt from 5 degrees to 20 degrees latitude just north and south of the equator. Here vast tropical seas provide the heat to keep the warm vapor swirling into the growing, rising, upward spiral.

The winds obey the law of conservation of angular momentum: any rotating object gains speed as it nears the center of its axis. Consider the figure skater beginning her spin with arms extended. When she pulls her arms in, hugging her body, the velocity of her spin increases. In the same way as the storm's winds begin to turn, their very motion impels greater acceleration.

The trigger that sets the roiling mass of warm air into its initial turning is the earth's rotation. Few hurricanes begin at or near the warm equator where we might expect them to form. This is because of the Coriolis effect, a phenomenon named for the French scientist who first expounded it in 1835.

The Coriolis phenomenon occurs whenever an object is in motion across another already moving object. Since the earth is in rotation, anyone wanting to go from point A to point B must consider that point B is moving. This rotation explains why a rocket's path appears to curve to one side when it is viewed from the ground. From space the same path will appear absolutely straight. The Coriolis effect played hob with the first long range naval gunners. But more significantly it explains why storms in the northern hemisphere veer to the right into an anti-clockwise, cyclonic spiral but in the southern hemisphere deflect to the left into a clockwise, anti-cyclonic spiral. That is also why for the Coriolis effect to provide the nudge that begins the spin, the body of warm, moist air must be at least five to six degrees north or south of the equator. Close to, or on the equator, the path of the air mass is directly perpendicular to the earth's north-south polar axis. Thus, at the equator the air mass tumbles around the axis rather than being drawn inward towards the central force of its polar spin.

Once started, the hurricane generates its own power like the fire in the belly of a stove superheating its chimney. The faster it spins, the more warm moist air it draws in, the greater the force expelling it in a spiral upwards, the larger it grows, pulling in yet more warm air.

Only three actions can diminish a hurricane. One is a move over ocean waters too cool to supply the needed warm vapors. The second is a move onto land with its greater friction of wind resistance. Third, another weather system may interfere with the hurricane's large scale, high-altitude air flow.

Over its life span a hurricane may fall into various classifications. By international agreement measured wind speeds determine these classes. Incipient storms are labelled "tropical disturbances." Those with winds under 61 kilometers per hour are "tropical depressions." "Tropical storms" are characterized by winds ranging in velocity from 61 to 115 kilometers per hour. A hurricane must have winds

Hurricanes

exceeding 115 kilometers an hour.

A hurricane is often preceded by a spell of fine weather caused by the divergence of the prevailing winds in front of it. Before the advent of weather satellites and other sophisticated meteorological gear, this made hurricanes doubly dangerous. The telltale signs of the hurricane's approach are few, and the deceptively beautiful weather is a cruel mask for what lies behind it.

Early efforts at prediction relied on such folkways as grandpa's rheumatism. The Seminole Indians headed for the high ground when the sawgrass began to bloom. Others thought they could predict the storms by the "feel" of the air. Those who looked to the skies for a sign were closer to the right track for a broad trail of cirrus clouds is one harbinger.

Heavy showers may fall 310 to 370 miles ahead of the hurricane. And the storm itself will eventually appear as a distant wall of towering cumulonimbus, but by the time you can spot that, you'll have to move fast. Perhaps the surest natural indicator is the sea. Watch the waves for the distance between the crests will widen as the troughs lengthen. This change probably is caused by the storm's low pressure pulling up a huge dome of water under the eye, the center of the storm's power. The most positive signs of the storm's approach may be found on the barometer's scale as it marks the falling atmospheric pressure.

Survival — The best way to survive a hurricane is to pay heed to warnings from the National Weather Service and evacuate threatened areas. But before leaving take the time to shut off all utilities at the meter. Police up all loose objects from your yard. Nail plywood securely over all windows and unreinforced doors. A major factor increasing the destructive force of wind damage is the result of the wind's hurling objects through glass and then exerting pressure under the roof to tear it off. Without the binding weight of a roof, a structure's walls are soon ripped apart.

If you have a small craft, get it out of the water. Do not park it under trees. If possible, park it between two buildings and then anchor it with tie downs across the top of boat and trailer. Be sure to drive long stakes deep into the ground to secure the tie downs. And

finally, pull any drain plugs to allow water to run off.

If the boat is too large to get out of the water, choose a sheltered inlet — the narrower the waterway the better. Use staked tie downs from port and starboard in addition to conventional moorings. Batten all hatches and cover all the glass you can. Where feasible remove delicate external navigational and communications equipment.

Garage any vehicles left behind or at least park them between buildings, block the wheels and use staked tie downs where appropriate.

The damage inflicted by a hurricane is awesome. One way it inflicts damage is by the strength of winds gusting over 200 mph. The torrential rains accompanying the storm are a second means of inflicting damage. In April, 1958 at



Aurere on Reunion Island a typhoon dropped 62.3 inches of rain in 24 hours. Two days after landfall in 1969, a steadily weakening Camille dropped 20 inches of rain in the Blue Ridge Mountains of Virginia. The flooding killed 150. But the hurricane's most devastating means of destruction is the storm surge. The storm surge is a huge dome of water up to 65 to 80 kilometers across that follows the eye of the storm across the ocean. A surge of 5 meters in height is deemed catastrophic. In Calcutta on October 7, 1737 a 12 meter surge killed 300,000.

One of the greatest hazards is associated with the eye, that unnaturally calm region at the core of the swirling winds. The winds subside inside the curve of the great storm's walls, temperatures climb 46 to 50 degrees and the air lightens significantly compared to the dark, whistling clouds surrounding it. After weathering the first howling gusts of the hurricane, many feel an overpowering urge to escape their confinement or a compelling curiosity to view the extent of the destruction. But the winds behind

the eye are the most powerful in the storm, and while the eye may spend an hour over an area, it can pass in minutes, leaving those who've left their havens virtually naked in the face of the storm's worst powers.

The calm eye of the storm is also known to fool birds which may be caught in the calm and unwittingly transported to distant, unfamiliar lands. Ships at sea passing through the eye have found their decks littered with exhausted birds. Tropical birds known only in the Lesser Antilles have been found in abundance in New England after the storm's passage. The theory is that birds are stranded in the eye as the weather worsens and forced to fly along with it until the winds dissipate.

As the population increases along



This historic antebellum mansion was 450 feet from the water but Camille only left the front steps in place.

our coastlines, the potential for cataclysm grows. Although our early warning technology has improved, evacuation routes have not been upgraded in response to population shifts. Even in areas where past disasters should provide ample warning, mankind may not be capable of adequate preparation.

On November 13, 1970 a cyclone blew ashore in Bangladesh where most of the land is less than two meters above sea level. Although the official death toll is listed as 200,000, most experts believe 500,000 died. Twenty years later, April 30, 1991, another cyclone, one sporting winds clocked at 145 mph, struck. While official estimates tallied a death toll of 135,000, other experts calculated the ultimate cost in human lives at, once again, 500,000.

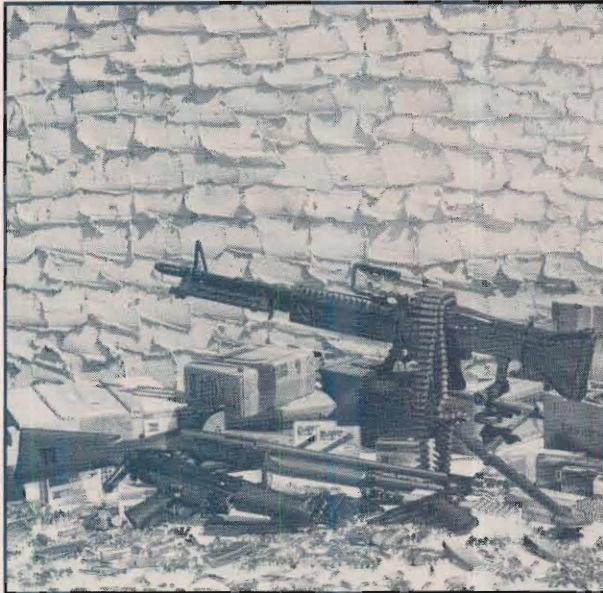
There is nothing we can do to prevent hurricanes; their power is truly planetary. But preparedness and awareness can keep you ready to take action at first warning to protect your family and possessions. ●

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Staff Evaluation

THE folks at Lock & Load Distributors asked us to try out some rather interesting 12 gauge shotgun ammunition they are selling.

First there's the Micro-12 loads. These are 2-inch shells with full strength loads (3½ dram equivalent) of number 4 buck and 00 buck which will fly out of your bore at nearly 1,300 feet per second. Each shell holds 9 pellets of 00 buck or 27 pellets of number 4 buck.

These loads increase your magazine capacity by 20 percent or more. In testing these loads in a Beretta 1200FP semiautomatic shotgun, which normally holds 6 2¾-inch shells in the magazine, we were able to put 8 in the magazine.

Patterns for both loads from 20 yards were excellent and there was no trouble cycling the shells in our semiautomatic shotgun. As with any full house load of 12 gauge, the recoil is substantial.

The other interesting 12 gauge ammo from Lock & Load is their Shellcrackers. This stuff comes in the size of a standard 2¾-inch shell but is very light weight. When fired they will travel about 100 yards and then explode with a loud bang and puff of white smoke. We fired our loads straight up in a canyon and the noise was impressive.

These cycle best in pump-action shotguns. They fired fine in our Beretta 1200FP semiauto but we had to manually eject each round and chamber another since there wasn't enough recoil to cycle the action.

The Shellcrackers are excellent for pest control and they are commonly used to scare away birds and garden pests.

Either load of Micro-12 is \$9.95 for a pack of six shells (call for shipping charges). Shellcrackers sell for \$29.95 for a box of 25 (call for shipping charges). Available from Lock & Load Distributors, Dept. ASG, 1790-10 East Market St., Suite 224, Harrisonburg, VA 22801; (703) 289-6892. ●



Micro-12 loads come in either 00 buck or #4 buck and are packed in six packs.



Shellcrackers are the same size as standard 2¾-inch 12 gauge shells but are very light.

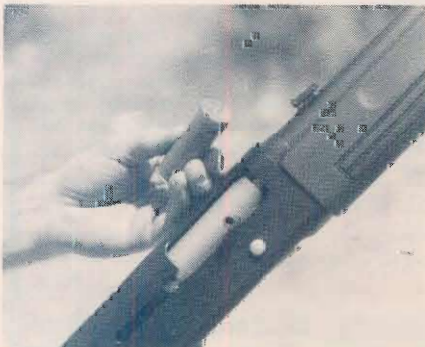
The Micro-12 loads cycled perfectly in the Beretta 1200FP semiautomatic shotgun used in the test firing.



Micro-12 00 buck shells have 9 pellets per shell.



Micro-12 #4 buck have 27 pellets per shell.



The 1200FP fired the Shellcrackers okay but there wasn't enough recoil to cycle the action so the spent shells had to be manually ejected.



The white puff of smoke produced by the Shellcracker charge exploding approximately 100 feet above where it was fired.

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Staff Evaluation

FOR those people who want a dependable yet affordably priced revolver for self defense or other uses, the New England Firearms Model R73 Standard revolver in .32 H&R Magnum caliber is worth considering.

This revolver is available in .22LR, .22 Magnum and .32 H&R Mangum calibers, in several barrel lengths and

in either blue or nickel finishes.

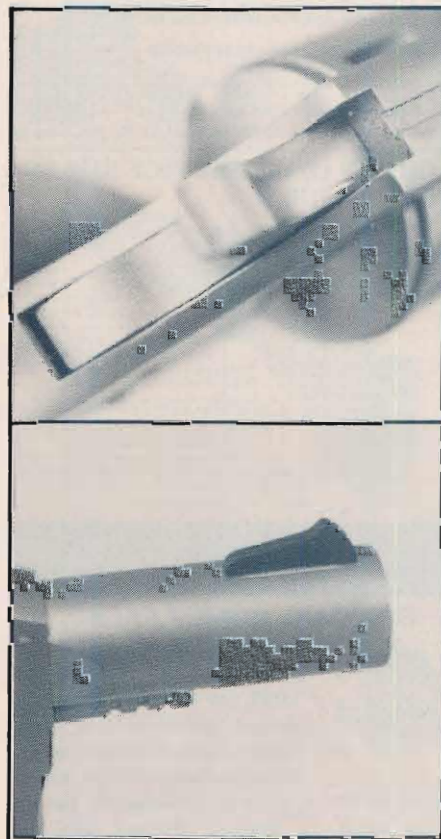
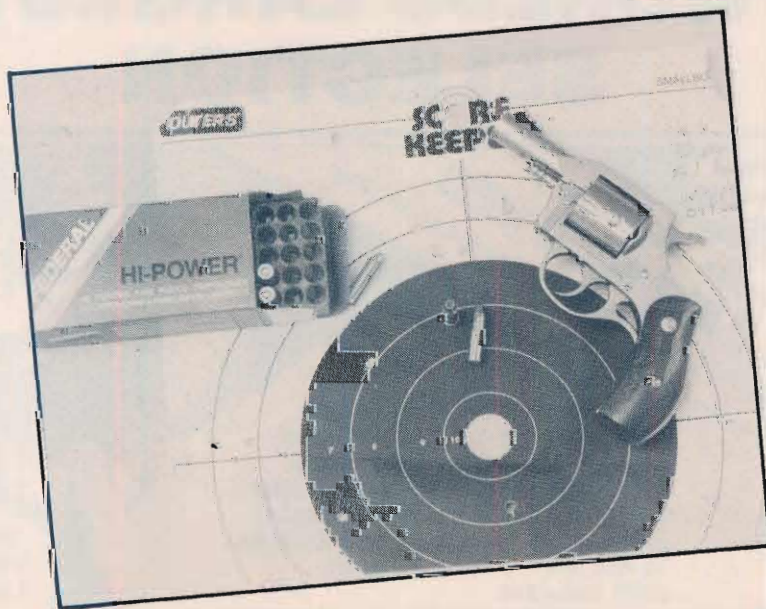
We were loaned a sample in .32 H&R Magnum caliber with 2½-inch barrel and corrosion resistant matte nickel finish with smooth walnut grips.

NEF makes this caliber of Standard revolver in either 2½-inch or 4-inch barrel lengths with blue finish and a 4-inch barrel model in blue finish only. Suggested retail for our test sample is about \$115.

The cylinder holds 5 rounds. This is a double-/single-action revolver. Sights are a fixed rear square notch and front

blade. The Standard revolver has a built-in transfer bar safety mechanism. When the hammer is pulled back manually into the cocked position (single action), the transfer-bar moves upward to form a bridge between the hammer and firing pin. When the hammer is in the cocked position and the trigger is pulled and held, the hammer falls, striking the transfer-bar, transferring the hammer blow to the firing pin. As soon as the trigger is released, the transfer-bar drops down causing a void between the hammer

(Continued on page 61)



Sights are a fixed rear notch and front blade.

Shooters found the Standard revolver reliable and accurate.

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Gutting the Gun:

Will The EPA

A 'lead initiative' may ban lead from all consumer products. . .

Ban Lead Ammo?



By Darrell E. Mulroy

AS a gun writer, I can assure you that politics abound in the shooting sports. One new arena is the rising controversy over lead. The Environmental Protection Agency (EPA) is trying to down play reports of anti-lead campaigns aimed at ammunition, but the turbulent atmosphere involving lead makes it clear and obvious that ammunition can not be ignored.

Repeated attempts to find solid information on the future of lead in ammunition from the EPA proved to be frustrating and unproductive. Phone calls were bounced from one office to another over a several week period of time.

The EPA did make it clear that there is a "lead initiative." The basic concept is to remove lead from all consumer products as soon as possible. Nobody can imagine that ammunition

won't be affected.

Over the past several years the EPA has slowly moved into shooting activity based on lead concerns. Some indoor ranges were found to have poor ventilation, and people working in those areas did have lead levels in their blood above the acceptable levels. In a few cases the ranges closed, or expensive ventilation equipment was installed.

EPA was pressed to show a single death related to lead and shooting and failed to produce a single instance. When further pressed to show serious injury unquestionably related to lead from shooting, they also failed. The only evidence they had was people with the escalated levels of lead in their bodies, and in a few cases some minor medical discomforts that "may" have been related to the lead.

Toxicologists have long recognized the toxic effects of lead, but each individual

has varied responses to high levels of lead. Most agree children are a primary concern for lead protection, but the EPA and others have failed to note the lack of young children around indoor gun ranges.

We contacted several ammunition manufacturers and several said they knew nothing of possible future bans on lead. At least one major manufacturer is moving ahead with research on "lead free" ammunition, and makes it clear they expect a near total ban on lead in ammunition.

CCI-Speer has patented a "lead free" primer for use on indoor ranges, and offers a fully plated bullet. The combination all but removes airborne lead. The firm admits that lead free primers are more difficult to ignite and notes that problem on boxes of the new product. They also admit that they have had problems with ignition in below zero weather, and problems with shelf life. For practice ammunition, these aren't major problems. For defensive ammunition, it could be as dangerous as any airborne pollution, or more.

A CCI spokesman claims that two workers on one of their ranges did have excessive lead levels, but that no serious health threat plagued the workers and simple medical treatment was effective. We found few problems with workers in ammunition manufacturing that are exposed to lead on a daily basis.

Most manufacturers claim that simple procedures like washing your hands before leaving work or before consuming meals are a great help in reducing ingested lead.

Minnesota Shooters Supply Incorporated, a small Minnesota firm that loads over a million rounds of handgun and rifle ammunition a year and casts bullets, has monitored employee lead levels. To date, no concern has been expressed from the test results. Owner, Tom Blair claims that even his chil-

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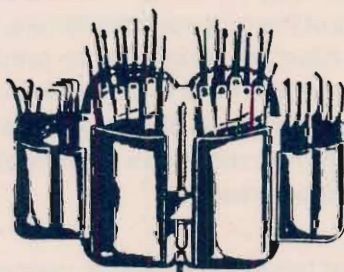
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As Mel states in Volume 1, Issue 1, "**Our purpose. . . is to deal directly and definitively with the several and diverse problems of staying alive posed by the probability of an extended, major social upheaval occurring in the near future.**"

The newsletters cover topics such as choosing your survival battery, notes on rural defense, survival vehicles, survival gunsmithing, survival foods, communications and many many other diverse subjects. After Mel Tappan's death, PSL was discontinued in the form that we now have. We are sure that you will find, as we did, that many of the articles that were written then are as important today as when they were first written.

PSL is the cornerstone of a survival library and needs to be a part of your survival preparations.

What we are offering is photo copies of the original newsletters. We talked to a printer and decided that the cost would be too high to have the newsletter re-printed. It would involve a substantial investment on our part and that cost would have to be passed on to you, the customer. So we are making our photo copies on a superior grade (20 lb.) copy paper so that you will get a product that will last. By doing this, we can offer the newsletter at a reasonable price. PSL was originally offered to its subscribers at a cost of \$100.00 per year.

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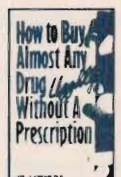
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Will the EPA Ban Lead Ammo?

(Continued from page 38)



dren have been checked and their level is below normal.

With the EPA moving to ban lead from paint and gasoline among others, it seems strange that their silence on ammunition exists. Shooting sports use millions of pounds of lead each year.

If lead is banned, the industry claims that any substitute would be a poor second choice and that ammunition prices will soar, ammunition will be less accurate, and less reliable. There is little debate on that scenario.

The optimists claim that they expect at least an EPA requirement to mandate lead free primers and fully jacketed bullets for indoor use, and close monitoring of outdoor ranges and strict containment standards.

"Lead in the ground is always a concern. Shooting ranges are frequently found in gravel pits where the gravel is used for construction that can include playgrounds and housing I can't imagine the EPA ignoring that," one manufacturer claims.

Others expect outdoor ranges to have expensive containment systems to allow removal of lead from areas that bullets are caught in.

In Minnesota a major freeway project was halted when it was noticed the path of the freeway went through an old rifle range. The story made TV and state officials warned of the dangers and that in a few days a massive clean up campaign was taking place.

On Monday morning when the offi-

cials arrived with their outer space like suits and equipment, they were shocked to find the lead almost gone. It seemed shooters among others descended on the area and "mined" the lead. We note the atmosphere of recycling with shooting has always been strong. Officials were stumped and construction proceeded. So much for that problem.

Considering what the EPA has done to paint and gasoline manufacturers who are far larger and more financed than the ammunition industry, it seems obvious that ammunition will prove to be an easy target.

Hunting ammunition is designed to expose lead to the atmosphere and there is concern if the industry can find a suitable substitute. Anti-hunting crowds would love to ask for a ban on hunting because a humane bullet can't be found and used.

In shotgun ammunition, the lead controversy had gone on since the ban of lead shot on water fowl. It is interesting to note that not one single death of a duck can be traced to the exclusive existence of lead. Sure, dead ducks have been found with lead in their body and blood, but the cause of death has never been traced to lead alone.

One toxicologist notes that to die from lead poisoning you have to ingest very large amounts of lead over a long period of time. He doubts if ducks or water fowl live that long or find that much lead to allow lead to kill them.

Range owners, manufacturers, and shooters agree that there needs to be monitoring of lead and concern for exposure, but claim a panic atmosphere is clouding legitimate concerns and progress.

At this point the future of lead in ammunition is questionable, and nobody disagrees that drastic changes are on the horizon. Changes that will increase costs and alter your performance. "In 10 years you will look back on our present ammunition with the same eye you look at black powder ammunition at the turn of the century," Tom Blair of Minnesota Shooters Supply noted.

The hysteria over lead is such that sane and logical approaches to the problem will be cast aside. There is nothing in our Constitution to protect our rights to ammunition, and the EPA does not need the permission of Congress to act. There is little the individual shooter can do until it will be too late. ●

ARE FIRING RANGES A HEALTH HAZARD?

According to Gordon Anderson of the Minnesota Pollution Control Agency, his office is providing input to the EPA on lead in regards to EPA's "Toxic Substance Control Act." This includes effects of lead from various sources. EPA wants to know about "life cycle" review, or how lead cycles in the environment.

Firing ranges also have to be aware of the "National Air Standard" for lead content, and this is where airborne lead is an issue. The issue crosses from the EPA to the Occupational Safety & Health Act, and OSHA becomes involved to protect people from the airborne lead.

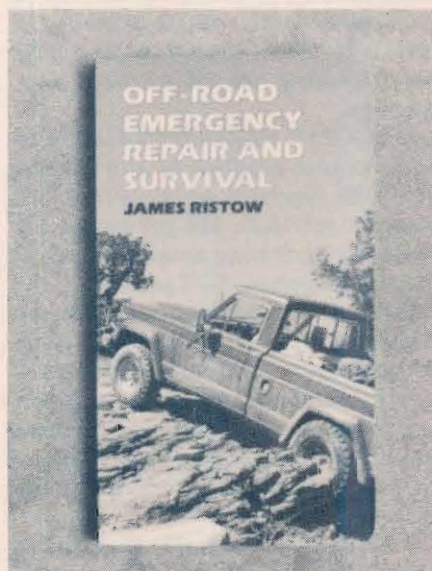
Gordon confirms the main concern over lead is with young children and the effect on learning. Granted, firing ranges are seldom frequented by children, but concern remains for female workers of child bearing age, or lead transported into the home from the hands, clothing, shoes and other items of workers.

The *American Journal of Public Health*, Vol. 79 #8, published in August of 1989 researched lead levels in the blood of some people working on firing ranges and found elevated levels. The article notes the concerns, but there are no clear instances of disability. That doesn't remove the concern, but the article does give some reason for concern.

A typical skeet range may have existed for decades. With each pull of the trigger the shooter may release up to a full ounce of shot which will fall to earth a few hundred yards away. Over those decades the amount of lead may amount to thousands of tons in a very small area. Lead does not dissolve and will remain without breaking down because it is an element.

It is obvious that lead and shooting is going to surface as a major confrontation within the near future.

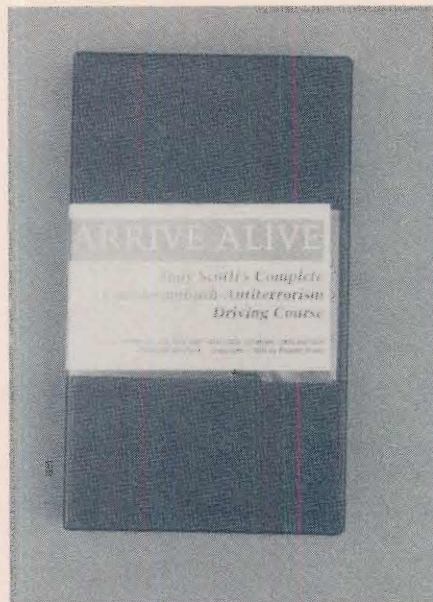
tually worshiped by the press as the redeemers of South Africa. If you don't want to remain ignorant like many of the Americans who gave millions of dollars to Mandela during his visit — read this book. Mandela classifies those desiring an open society and a market economy as counter-revolutionaries and calls for communists everywhere to “fight to destroy capitalist society.” Recently he called Fidel Castro's movement as being, “From its earliest days... a source of inspiration to all freedom-loving people.” What kind of American would give money to an individual like that?



Off-Road Emergency Repair and Survival, by James Ristow. High Country Enterprise, P.O. Box 746, Dept. ASG, Saguache, CO 81149; (800) 932-6888 for credit card orders or (719) 655-2432. Softcover, 170 pages. \$9.95 plus \$3.50 shipping.

An old sailor once said, “The sailor that ain't run aground, ain't sailed too far.” The same is true of land travel. Eventually, every motorist will find himself stranded due to unforeseen mechanical failure. It is inevitable. This book is divided into two general sections. Part I contains instruction for the diagnosis and repair of mechanical failures that could leave you stranded. Part II provides information to help you improve your wilderness skills. The temporary repair methods described in this book will allow you to drive your vehicle but may reduce its mechanical performance. Don't continue to drive a temporarily repaired

vehicle after reaching a place where permanent repairs can be made. Topics covered include: engine turns over but fails to start, engine does not turn over, battery not charging, engine overheating, low oil pressure, brake failure, flat tires, driveline failure and more. There's a good tool and equipment list for off-road travel.



Arrive Alive, Tony Scotti's Complete Counterambush-Antiterrorism Driving Course. A video from Paladin Press, P.O. 1307, Dept. ASG, Boulder, CO 80306; (303) 443-7250. 58 minutes, color, VHS only. \$59.95 plus \$3.50 shipping.

This action-packed video is a crash course in recognizing and escaping ambushes, assassination attempts and other problem situations on the road before they become deadly emergencies. The instruction is some of the best: with clients in 23 countries on five continents, Tony Scotti's School of Defensive Driving is recognized as the world's top high-speed evasive driving school. Dramatic footage shot from perspectives outside and within the vehicle clearly demonstrates how to perform the J-turn, the bootlegger's turn, hard braking, and single- and multiple-car ramming. Actual assassinations of the past are analyzed for what the victims did wrong and how the killers exploited weaknesses in security. This eye-opening video is a valuable training tool for police, bodyguards, chauffeurs or anyone who wants to have the edge in a crisis situation. ●

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Preparedness:

Planning For Survival

An outline for beginners as well as some new insights for those already well along in their survival preparations. . .



By C.E. Teal

IN light of recent events, such as the Persian Gulf War, terrorism, and economic instability, many individuals and families are taking a fresh look at the dreaded "S-word," survivalism.

As with any beginners, these people need some sort of plan for these uncharted waters. I hope that this article can give some useful guidance to those new to the field, and perhaps some new insights to others who have been left to their own devices in coming to grips with this virtually all-inclusive field.

This plan consists of nine major points: 1. Determination; 2. Becoming/staying healthy; 3. Allocating your Budget; 4. Developing plans of action; 5. Have a "bug-out" kit; 6. Plan for duration; 7. Get training; 8. Practice; 9. Don't advertise.

The first requirement to insuring your (and your family's) longevity is **DETERMINATION**. You must *want* to survive. Contact others upon whom you might rely (and whom may likewise

It's hard to guess what type of survival situations you could find yourself in. Try to develop plans of action for the widest possible number of scenarios.

rely upon you) in a crisis. This is not a game, although games can play a part in the training aspect. If we are to survive as individuals, as families, as a society, we cannot approach this as a one-person show. It will take cooperation of the highest order. The stakes are literally life and death.

Many people take the attitude that "If it happens, I wouldn't want to live anyway." This is an attitude which almost guarantees defeat or death. A husband, father, or single mother with this attitude is virtually condemning his or her family to a similar fate.

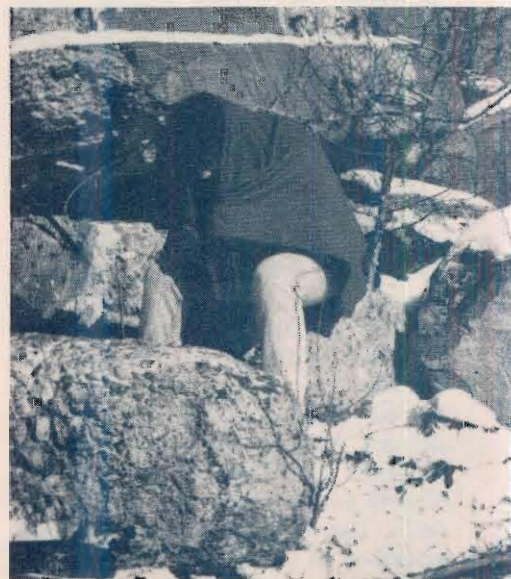
BECOME/STAY HEALTHY. Everyone in the family or group should get a complete medical, dental and vision checkup. Find your weaknesses and limitations so you may cope with them, before they take you by surprise. Get caught up on immunizations such as tetanus, hepatitis, and measles. If eyeglasses or contacts are needed, get at

least one spare pair, or save old ones. Stock up on cleaning solution if you wear contacts. Work to bring your teeth up to the healthiest level possible. A toothache can be a major problem even in normal times when a dentist is available. Imagine trying to make critical decisions while suffering with a toothache when there may be few, if any, dentists in operation.

Make sure your feet are in good condition. They may someday be your only mode of transportation. Begin and maintain an exercise program which balances strength with endurance and flexibility. Running, swimming, and stair climbing are all excellent conditioners.

ALLOCATE PART OF YOUR BUDGET. Acquire supplies as your budget allows. Be practical; set priorities. For example: set aside \$10 per month for weaponry (including ammunition and cleaning supplies, (\$10 per month for clothing (if you don't have the proper clothing already on hand. Three-piece suits or tennis outfits have very limited survival applications), another \$10 a month for reserve food and medical supplies, and so on. If money is tight, you can alternate purchases from month to month.

The important thing is to make some sort of survival-based acquisition regularly, or at every opportunity. In mak-



If you want to be equipped with more than bare essentials during some emergency/disaster, plan ahead.

ing survival investments, you should consider the following points: a) Might you actually need it (Does it serve a legitimate survival need, such as food)? b) Do you have the skill to use it properly, and would you be able to repair it when it inevitably breaks down? c) Will it need something else, such as electricity, gas, heat, or water to operate? d) How many/much will you need, and how long do you expect it to last (see Plan For Duration)? e) Is it practical for the conditions you anticipate, such as proper clothing for the climate?

DEVELOP PLANS OF ACTION.

You should discuss with your family or group the conditions under which you would run (Where?) or stay; whether to hide (For how long?) or fight (Whom? How?). Every member of the group must be in agreement with the final plan. One dissident could destroy all your intentions; for instance by "selling-out" the group to an adversary.

You should also develop "backup" plans to cover various contingencies such as those mentioned. Plan for the worst-case scenario and work down from there.

HAVE A "BUG-OUT" KIT. Keep a short-term (up to one week) survival kit handy in case you must leave NOW. Remember the priorities: shelter, water, food, medical supplies, weapons, communications. Ideally, you should have several kits; one for each member of the family and group, another one in each vehicle in case a crisis occurs at an unexpected moment (as they usually do), and a larger cache of supplies away from the home, in a place safe from discovery or disaster; in the event you must evacuate your home quickly, as in the case of fire, earthquake or war. Each of these kits or caches should be planned to supplement and extend the capabilities of the next smallest kit.

Avoid making your personal bug-out kit too heavy to run with; you may have to carry it long distances, quickly.

PLAN FOR DURATION. Try to realistically anticipate how long you expect your scenario may last, and add a little more to the estimate as a buffer against shortsightedness.

Do you expect your disaster scenario to last for days (such as waiting for disaster relief after a major storm, fire, or earthquake), months (i.e., a major strike by unions; rebuilding after a disaster), or years (such as being caught in the clutches of a dictatorship, foreign invasion, or persecution)?

Try to be realistic in your prepara-



tions. Plan for the consumption of food (calories per person per day, plus other essential nutrients), water (gallons per person per day, for drinking, cooking and sanitation), ammunition (as much as can be obtained, with a suggested minimum of 500 rounds per weapon), air quality (while in shelter, or masks for outside), medical supplies (including prescription medicines), and so on.

Some of your scenarios may look unlikely in the context of present conditions, but it only takes an open-eyed look at the world, the nation, or the neighborhood, to see the potential for frightening situations to rapidly develop which would not allow time for preparation after the fact. For instance, note that many people reacting to a disaster often converge on all the nearest stores for provisions such as food, candles, bottled water, batteries, and so on. Frequently, the crowd gets impatient, not wanting or waiting to be left without essentials for themselves or their families. Occasionally, rioting and looting begin, feeding upon itself as the unprepared start to panic.

Your aim must be to store adequate supplies for all intended members of your group for the longest time that you will likely be on your own, with self-sufficiency being your goal. The federal government recommends having at least three to five days' supplies on hand, to sustain you until relief agencies can get into action. The more serious the crisis, the longer you may have to wait for outside help.

If you are able, lay in extra supplies for a few additional persons who will,

Everyone should have some training in first aid. Practice is essential to being able to perform these duties well in an emergency.

most likely, show up either on their own, or with members of the group ("My mother was visiting at the time; I couldn't just leave her"). As pragmatic as you must be, you must also not surrender your humanity completely. Otherwise, you are no better than the predators you may be fleeing. Of course, there is a practical limit to how much you can be expected to cope with. Examine your own conscience on this issue.

A plan must also be drawn up to deal with waste management. Essential "luxuries" such as toilet paper, soap, and proper means of disposing



The author's field medical bag contains water-gel burn treatment, emergency dental kit, trauma dressings, airways, diagnostic equipment, SAM splint, venom extractor and many other items.

Planning For Survival

of human waste and garbage with become major issues during a survival situation. Goods and services we have always taken for granted may no longer be available.

You must also plan to cope with your people's emotional survival. The abrupt change in lifestyle, the day to day fight to stay alive, will take its toll psychologically if not treated quickly and continuously. Find things to alleviate boredom, such as games or projects. Give every able person in the group a job they will be responsible for. Even children can be instructed to secure trash, act as lookouts, or help with food preparation or gathering supplies. Also attempt to continue with their education, albeit with a different emphasis. Find duties which require a person to study the situation and come up with a solution. Hold meetings to keep everyone current on what's happening, and conduct frequent and regular classes for everyone in survival arts. Keep your people, and yourself, busy. Despair may be your worst enemy.

GET TRAINING. Your group should learn how to use weapons effectively. Safety, maintenance, handling malfunctions, and marksmanship are all of equal importance in a survival context. Because this is an area where mistakes can be fatal, instruction should be sought from qualified professionals, such as the National Rifle Association. Also, everyone should study unarmed self-defense under a qualified instructor; one who teaches combatives, not tournament techniques.

Tactics are another important area of study. Learn how best to utilize your weapons under various conditions and environments, such as snow, rain, or at night. There are several reputedly good schools for this type of study. There are also many books such as military manuals which can be of help, if accompanied by lots of practice.

Study first aid diligently, as this is one of the most essential areas of self-help study. The American Red Cross has excellent, inexpensive courses on CPR and basic and advanced first aid. Everyone should be encouraged to take and pass such a course. A study of improvised medicines and first-aid equipment would also be useful. Some community colleges offer non-credit courses in herbology, folk medicine, and edible wild plants. There are many

very good reference books on the subject. Another variation on this theme would be the study of medicinal minerals. You might seriously consider taking an Emergency Medical Technician course (or a Paramedic course if already an EMT) and joining a volunteer ambulance corps. Not only would you be contributing to a vital community function, you would also be gaining practical, real-life, hands-on experience which no course can give by itself. Remember, in a crisis, your body does what it has been trained to do. The untrained reaction to crisis is usually panic. Practical experience aids tremendously in overcoming the panic which accompanies disaster.

Fieldcraft is another valuable area of study. Learn the difference between, and uses of, cover and concealment. Learn how to survive in rural or urban wilderness, how to find or construct proper shelter, how to gather food and collect and purify water, the use of correct sanitation procedures, basic land navigation, and much more.

PRACTICE. Conduct realistic simulations with your equipment and your people to gain valuable experience and confidence working together. Get the bugs out while it's relatively easy. Learn what works and what doesn't.

Go to the firing range often, preferably when you or your group can use it without onlookers. Practice on human-shaped targets, using tactics. Train in firing techniques for real-world situations (such as varying weather conditions, target distance and size). Learn different firing positions, practice in-house techniques, etc.). Always rigidly enforce appropriate safety procedures while training with weapons.

As an EMT, you can work on an ambulance or in the emergency room to practice and to accustom yourself to the suffering of others. It's certainly not pleasant, but it is crucial in overcoming the shock of seeing something happen suddenly, perhaps to someone you love. This allows you to get on with treating the patient rather than wasting valuable seconds in panic. With practice, reaction becomes almost automatic, and confidence is gained. Without practice, hard-earned skills are gradually lost.

You should try to incorporate your survival skills into everyday life, making it a normal part of your existence.



A substantial first aid inventory can be acquired over time. Included among the items here are oxygen, burn treatment packs, medications and diagnostic equipment. The bag in the center is a more portable and compact field kit.

Don't, however, carry it to extremes, such as walking around in public wearing cammies with a 10-inch knife on your belt. Be discreet. Shooting and hand-to-hand practice, ambulance duty, making your own clothes, and canning your own food; all these skills and more will not only add to your survival repertoire, they will enhance the quality of your life, as you become less dependent on "the system" and more confident in your own abilities.

Learn the strengths and weaknesses of your equipment, your people, and yourself. Without practice and effort you are just wasting time and money, and someone close to you could die needlessly.

DON'T ADVERTISE. Keep your actions and intentions as low-profile as possible. You could risk discovery and the loss of everything you have been working for, or wind up with a lot of people on YOUR doorstep in a crisis; people whom you cannot support, and who may have no positive survival value. If you intend to support dependents, prepare for them with your supplies.

One last thought. Because predatory people are out there, firearms are an essential element of survival planning. Unfortunately, they have been abused frequently enough to give the whole survival movement a bad reputation in the eyes of the general media, who too often seem to be looking to discredit and ridicule the movement. Survivalists should respect firearms and view them as tools to protect what they have: their lives, families, homes, and provisions; not as weapons of conquest. The more you prepare, the more ready you must be to defend against those who don't. ■

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Colt:

Lightweight Sporter

A more compact, lightweight version of the famous Colt Sporter AR-15 rifle in .223 Rem. caliber. . .



The Lightweight is almost a pound lighter and 4.5 inches shorter than the standard Sporter AR-15.



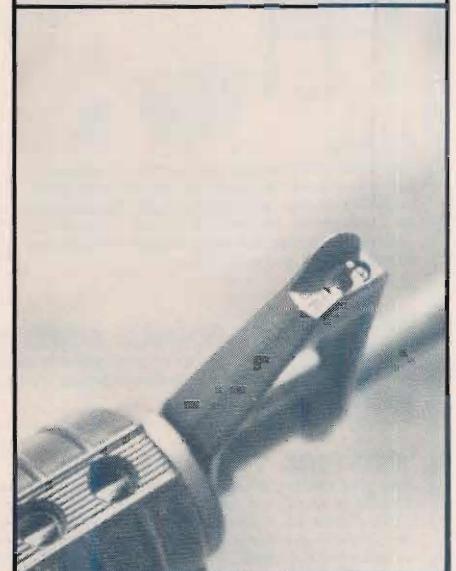
Staff Evaluation

COLT's new Sporter Lightweight AR-15 rifle is a slightly downsized variant of the standard Sporter AR-15 and weighs almost a pound less.

The Lightweight has all the best characteristics of the rest of the Sporter line of AR-15s with the added advantages of a more compact size and distinctly lighter weight. The light weight

feature is particularly appealing in a rifle already known for its relative light weight. If you're going to be lugging an AR-15 around a ranch all day or if you're out in the hills hunting or engaging in some other outdoors activity, it's nice to have as little bulk and weight to tote as possible. The Sporter Lightweight fills the bill.

Its barrel is only 16 inches long, compared with 20 inches for the other Sporters. Overall its only 34.5 inches



Sights are typical A2 type, adjustable for windage and elevation.

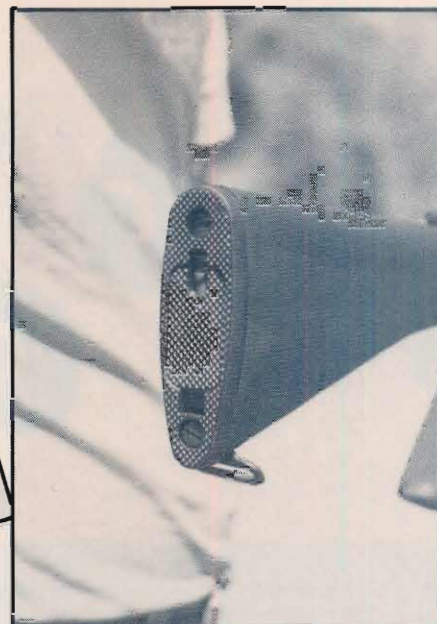
long, compared with 39 inches for the other models. Sight radius is 15.75 inches (19.75 for the other Sporters). Sights are the standard A2 type, adjustable for windage and elevation. Weight empty is about 6.7 pounds. That's almost a pound less than the 7.5-pound Sporter Target Model.

The matte finish and materials used in the Lightweight are the same as on the other Sporters: rugged, super tough black nylon butt stock and pistol



This tight 5-shot group printed high on the target when fired from a rest from 50 yards.

Short handguard and barrel distinguish the Lightweight model, but other features are the same as on the rest of the AR-15 models.



Trap door in butt stock can be opened to store cleaning gear.



grip; round ribbed fiberglass reinforced handguard with aluminum lining to reduce heat during repeated firing. The Lightweight along with all other new Sporters has a cartridge case deflector for left-handed shooters. And like the other Sporters, the Lightweight is designed as a rugged, all-weather, all-terrain firearm which will fire all commercial types of .223 (5.56 mm NATO) ammunition.

We tested the Lightweight with

several boxes of USA 55-grain military ball ammo and found it performed flawlessly in rapid fire, slow aimed fire, etc., and was very accurate.

Our groups fired from 50 yards from a standing position were not bad, and firing from a rest our groups were only a few inches in diameter.

This is one fine rifle. It would be ideal as a training rifle for younger shooters and those of smaller stature who desire the power of the AR-15 with

a little less size and weight. We imagine the larger, heavier AR-15s would perform better overall, such as in situations where large amounts of ammunition were fired at one time, but we couldn't say how much better. Suggested retail of the .223 Sporter Lightweight is \$859.95 (Model R6530).

The Lightweight will also be available, probably by the time you read this, in 9 mm NATO caliber (Model R6430). ●

ASG 1991 Giveaway

No. 3

Fill out the accompanying coupon, and include payment with subscription orders or current subscription extensions. All ASG 1991 Giveaway No. 3 entries should be printed or typewritten on the official coupon, or a reasonable facsimile from this magazine. A facsimile entry is acceptable and valid, as long as it contains information required with the subscription or extension order/entry form. The ASG Giveaway is open to any resident of the United States. Federal law requires that only U.S. citizens are eligible to receive a firearm prize. The prize winner must not be legally restricted from receiving or possessing a firearm. This contest offer is void where prohibited by law. Employees of McMullen Publishing and its subsidiaries or subordinate agencies, agents and members of their immediate families, are not eligible to enter the contest. There is a **LIMIT OF ONE ENTRY PER PERSON** for this contest. Duplicate and/or multiple-copy entries, when

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Prizes No. 1 & 2

Prize No. 1: Australian Arms, U.S.A., Inc. (Dept. ASG, 881 West San Bruno Ave., San Bruno, CA 94066; phone 800-922-4727 or 415-871-4277; fax 415-871-0713) SAP (Semiautomatic Pistol) in .223 Rem. (5.56 mm NATO) caliber. A semiautomatic version of a full-automatic firearm used by military and law enforcement forces in several countries, including the U.S., the SAP is a rugged, all steel gun measuring 8 inches high, 20.5 inches long and 1.5 inches wide. It weighs about 6 pounds empty. Includes one 20-round magazine. Accepts any military specification Colt M16/AR-15 magazine. Sights are an adjustable front post and rear rotary disk with apertures for 100, 200 and 300 meters. Receiver has base for mounting optical sights. The 10.5-inch barrel has rifling of 6 grooves, right hand, 1 turn in 9 inches. Value: \$800. Prize No. 2: D Max Industries (Dept. ASG, 1701 W. Valley Hwy. N., Auburn, WA 98071; phone 206-939-5137 or 800-458-DMAX; fax 206-939-1068) .45 ACP caliber recoil operated semiautomatic pistol. Superbly accurate, this gun's "critical" parts are made from heat treated chromoly steel. Barrel shroud is 6061 T6 aluminum. Douglas Premium 4340 chromoly steel barrel is turned by Storm Lake Machine. Twist is 1-16 R.H. Pistol grip and fore end are smooth walnut. Uses M3 "grease gun" 30-round magazines (10- and 5-round magazines available but



not provided with this prize). All metal parts are phosphated (parkerized) and then given the highly rust-resistant "MAX-Coat" electrostatically applied, baked on powder coating finish. Firing pin interchangeable with

1911A1 pistols. Front sight is a fixed blade. Rear sight is an adjustable Williams V-notch. Overall length 13.75 inches. Barrel 6 inches. Sight radius 13 inches. Weight empty 5 pounds. Value: \$477.

Prizes 4

Robert Terzuola designed Gryphon M30A1 Knife from Cutlery Shoppe (Dept. ASG, 5461 Kendall Street, Boise, ID 83706-1248; phone 208-376-0430, toll free orders 800-231-1272, fax 208-376-7608). A production version of the widely respected Terzuola M30A1 Battleguard combat/field knife. Carries a full lifetime guarantee. Blade of ATS-34 steel—the best steel money can buy for a knife blade, double sub-zero quenched for maximum strength and performance. Indestructible Zytel handle with ergonomic comfortable grip checkered and striated for slip-proof hold. Comes with Blackie Collins heavy reinforced black Cordura belt sheath. Value \$225. The second knife of Prize No. 4 is the Aitor Bushi knife from Catocin Cutlery (Dept. ASG, P.O. Box 188, 17 S. Main St., Smithsburg, MD 21783; phone 301-824-7416, fax 301-824-6138). Weight is only about 5 ounces and the plastic sheath is only one more ounce. Overall length is 10.5 inches. Blade is 5.5 inches and made of 440-B stainless with two sets of sawteeth and soft, ergonomic brown rubber handle with cross-hatch design for sure grip. Sheath has sharpening stone. Value: about \$45.



Prize No. 3

Family Water Storage Package from NITRO-PAK Home Preparedness Center (Dept. ASG, 13243 Rosecrans Ave., Santa Fe Springs, CA 90670-4940; phone 213-802-0099 or toll free outside California 800-866-4876). Includes four 30-gallon DOT and FDA approved extra heavy duty plastic water barrels, siphon water pump, bung wrench and three bottles of Aerobic 07 germicide water treatment, EPA approved. Value, \$240. Recipient must pay shipping. ASG readers responding to this write-up may purchase for \$184.95 plus \$32 shipping & handling.



Prize No. 6

Basic Essentials Series of ICS Books from High Country Enterprises (Dept. ASG, P.O. Box 746, Sagauche, CO 81149; phone 719-655-2432 or 800-932-6888). A functional how-to series of outdoors activities for beginners, adolescents and even enthusiasts wishing to brush up on their skills. These are some of the Basic Essentials books offered. Great reference sources for the survival library. Value: about \$70.



Prize No. 5

RWS Gamo Delta .177 caliber air rifle from RWS, Inc. (Dept. ASG, 105 Stonehurst Court, Northvale, NJ 07647; phone 201-767-1995; fax 201-767-1589). This prize includes extra pellets, pellet trap and targets shown in photo. The Delta is a single-shot, break-barrel (15.73-inches), spring piston rifle with carbon fiber stock. Shoots pellets at about 560 feet per second. Overall weight is only 5.3 pounds and overall length is 37 inches. Trigger pull is 3.3 pounds. Rear sight is click adjustable for windage and elevation. Trigger guard safety. Value: about \$135.



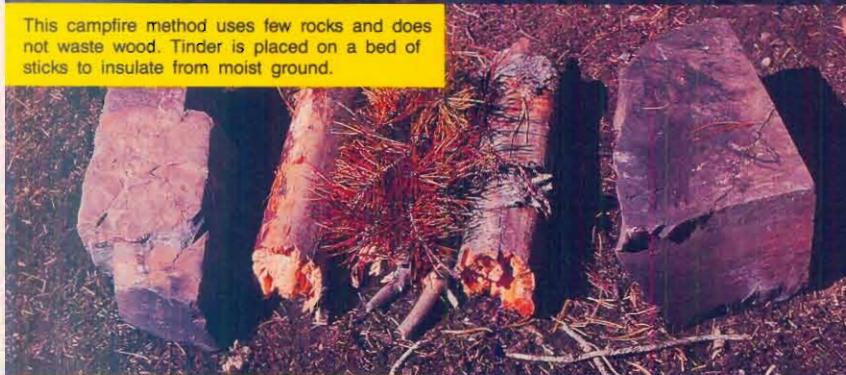
Campfire Basics

Wilderness Skills:

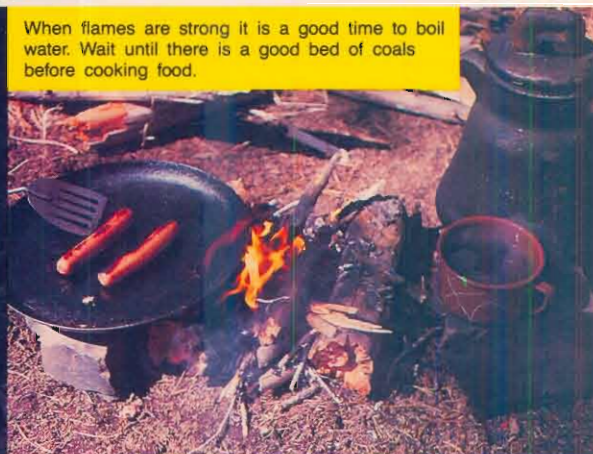
Start and maintain a campfire in any kind of weather condition . . .



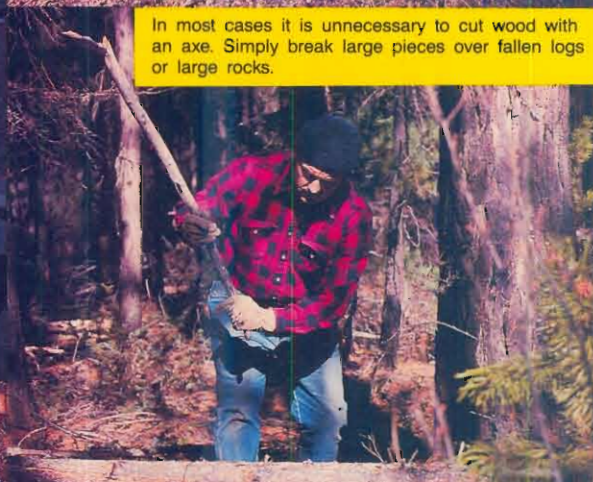
This campfire method uses few rocks and does not waste wood. Tinder is placed on a bed of sticks to insulate from moist ground.



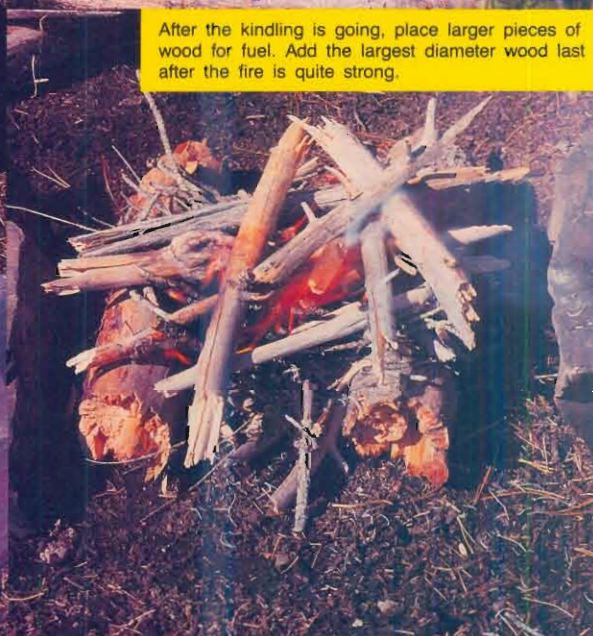
Above the pine needle tinder place small thin twigs for kindling.



When flames are strong it is a good time to boil water. Wait until there is a good bed of coals before cooking food.



In most cases it is unnecessary to cut wood with an axe. Simply break large pieces over fallen logs or large rocks.



After the kindling is going, place larger pieces of wood for fuel. Add the largest diameter wood last after the fire is quite strong.

YES, of course you know how to build a campfire. *Everybody* knows how to build a campfire. That said, may I timidly offer some suggestions that could facilitate things a bit for you? During a lifetime in the outdoors, I've learned from some of the best.

In places where they are legal, campfires can serve as anything from warm friends that are centers of social gatherings to life-saving measures, during times of potential hypothermia. Knowing how to build one can be a convenience or a necessity.

The key to getting a fire going quickly is in selecting the right tinder. Naturally, if you have paper, that's good tinder. Other good natural tinder is dry moss (wet moss is terrible); a thin layer of leaves (with enough open spaces to allow air through); very small, dry twigs (a couple of millimeters in diameter); dried pitch nodules; a handful of shavings from a dead, standing tree; the paper-like dried outer layer of birch bark; and dead brown needles from any type of conifer tree.

In my opinion, the last is the best. It will get a fire started quicker than anything else I've found, including pitch (which is also very good). I once started a warming fire during a hunting trip in the British Columbian Rockies when it was raining, and there were six inches of wet snow on the ground. All the materials I used were wet, and I had no paper. My tinder for that fire was dead fir needles. Dead pine needles would have worked equally well.

After you have found the tinder, the next thing to look for are small dead limbs — the drier the better. A good place to find such limbs is low on the trunk of a live tree or the interior of a dense shrub, where they are protected from moisture. Break off the small ends of these twigs and place them immediately above the tinder, then use the slightly larger butts for the next layer of campfire material.

Next, look for slightly larger firewood that is suspended off the ground, such as limbs that are still attached to dead logs. Other limbs and small trees that are not lying directly on the ground also make good firewood.

Don't bother with wood that is in contact with the ground or wood that has begun to rot. They make poor

burning material.

Preparing the Materials For a Fire

— I seldom use an axe to cut firewood. It's easier and quicker to break the large pieces over a log or a rock. Gloves come in handy to protect your hands from vibration. The smaller twigs are easily broken up by hand.

It pays to break your firewood into relatively small pieces, not more than two feet in length. It is wasteful and unnecessary to make huge, roaring campfires. Small ones will suffice nicely for both warming and cooking.

Rock fire rings can leave long-lasting scars on the land and are unnecessary. If I'm not using an established campfire site, I place one or two flat rocks next to my fire bed to set things on. When I'm done, I put the rocks back where I found them and eradicate the fire bed, returning it to its original appearance.

The area around the fire bed should be scraped down to mineral soil to reduce the danger of igniting nearby materials. More often than not, in a forested environment, this means you will be building a fire on damp soil. Damp soil is difficult to build a fire

Start the fire by touching off the tinder. Don't add any more wood until the largest of the twigs are well ignited.

on for two reasons: 1) The dampness tends to reduce the temperature, which inhibits the flames' ability to grow; and 2) as the fire heats up, the water in the soil begins to steam, which will also cool the fire — or put it out altogether.

To overcome the damp soil problem, put a layer of insulation between the ground and the fire. Cardboard from a food package, a paper bag, or several layers of paper towels, or some other combustible material that will last long enough to let the fire mature before burning up is all you need. If you have no man-made material to use for this purpose, a tight layer of small, dry limbs will do.

Building the Fire — This is the part where you Boy Scouts will differ with

me. The Boy Scout method works fine. This is an alternative.

Set two pieces of wood about four to six inches in diameter about six to eight inches apart. Green ones last longer, but dry ones work fine. Put the layer of insulation next to the ground. The tinder goes between the two pieces of wood, then the layer of very fine twigs goes across the top, followed by another layer of slightly larger twigs. Start the fire now, by touching off the tinder. Don't add any more wood until the largest of the twigs are well ignited. Then slowly add slightly larger pieces of broken limbs. When this third layer of fuel is well ignited, the fire will continue to burn well, even if the insulation next to the ground is destroyed.

It's important to remember during these early stages to layer your combustibles carefully. The pieces of firewood should be far enough apart to allow oxygen to the flames, but they must be close enough together to maintain enough heat to keep the fire going. After building a few fires and studying them, you will get a feel for the optimum spacing. This is important, especially in cold and/or wet weather.

You can start cooking on a campfire as soon as the third layer of wood is burning strongly. This is a good time to start boiling water. Vigorous flames create a lot of heat, and it's easy to burn food over them. I like to pile a pretty good stack of medium-sized branches (about an inch to two inches in diameter) on the fire and let them burn down to a good bed of hot coals before I put the skillet over them.

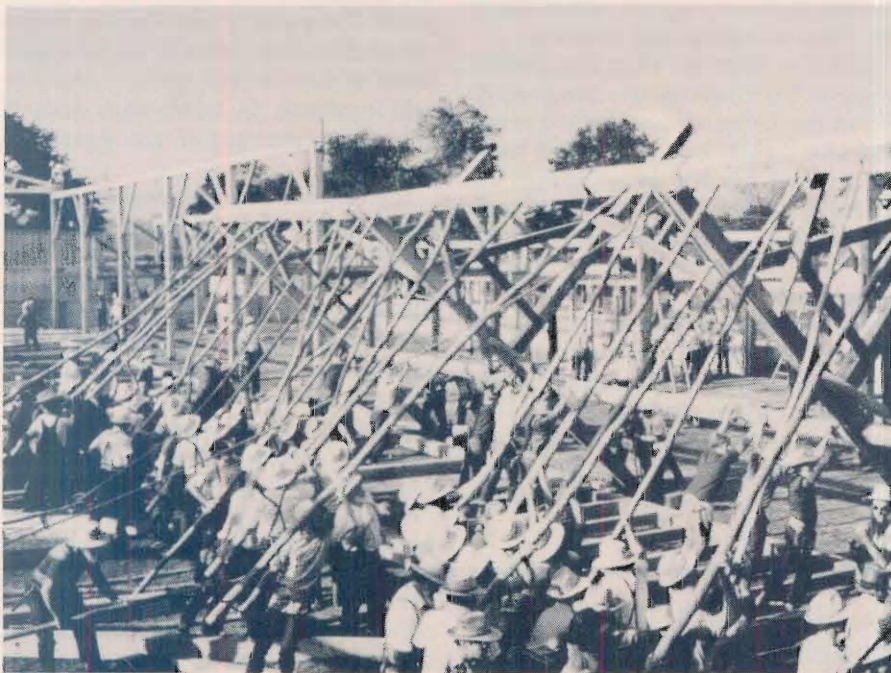
Once the cooking is done, and the campfire turns into a cozy spot for socializing or reflecting on the aesthetics of the outdoors, larger, slower-burning pieces of wood work fine. By that time the hot bed of coals has sealed off the steam from the soil and created enough heat to keep even damp and rotten logs going. Again, frugal selection of proper firewood will almost always provide all you need from a campfire. I seldom use wood larger than six inches in diameter and eighteen inches long.

There is nothing quite like a campfire in the great outdoors. It can save your life, or it can just keep you company. Either way, it is a useful tool. If you follow these suggestions, you will be able to start and maintain a campfire under almost any kind of weather condition; you won't exhaust available firewood supplies; and you won't scar the land. ●

Amish Low Tech Living

Are they a model for a post-collapse agrarian society?...

Photos by Doyle Yoder



By Scott Stoddard

A barn raising symbolizes the concern Amish have for one another's welfare.

WHAT would it be like to live in a community where no one had televisions, stereos, or VCRs? Where there were no cars or trucks, no telephones ringing in our ears, no traffic jams, no computer display screens, no steel and glass high-rise office buildings. Just quiet, simple living, comfortable and fulfilling with life centered around the family and the farm. Sound boring? Maybe, but to Amish communities in Ohio, Pennsylvania and Indiana, it's a life that is quite rewarding.

The prospect of living in a world without electricity and today's modern conveniences would cause many people to shudder, in fact, many are so bound to our highly civilized, complex society that they would rather die than to have to live without it. The Amish, a religious community that originated in Europe during the Reformation, have chosen to reject many of our modern world's influences in order to retain the simple lifestyle that they

lead. Although religion and a strong family unit is the glue that holds the Amish society together, survivalists from all walks of life might want to take note of their operations and incorporate many of the Amish ways and doings into their own plans for survival after a major collapse.

Organic Farming — To the chagrin of American agriculture, the Amish continue to maintain prosperous, small family farms. While American farmers plead poverty and call for additional government assistance, the Amish with "outmoded" horse-farming techniques, are doing quite well. They keep their overhead way down and refuse to go into heavy debt. For example: Amish farms don't use tractors. A typical agribusiness corn harvester costs over \$100,000. An Amish corn harvester, pulled by horses and powered by a Wisconsin 16HP motor, might cost \$3,000. Without tractors Amish farmers aren't tempted to expand acreage, drive other

Amish off the land, and go into steep debt. "Don't spend more than you make and life will be good to you."

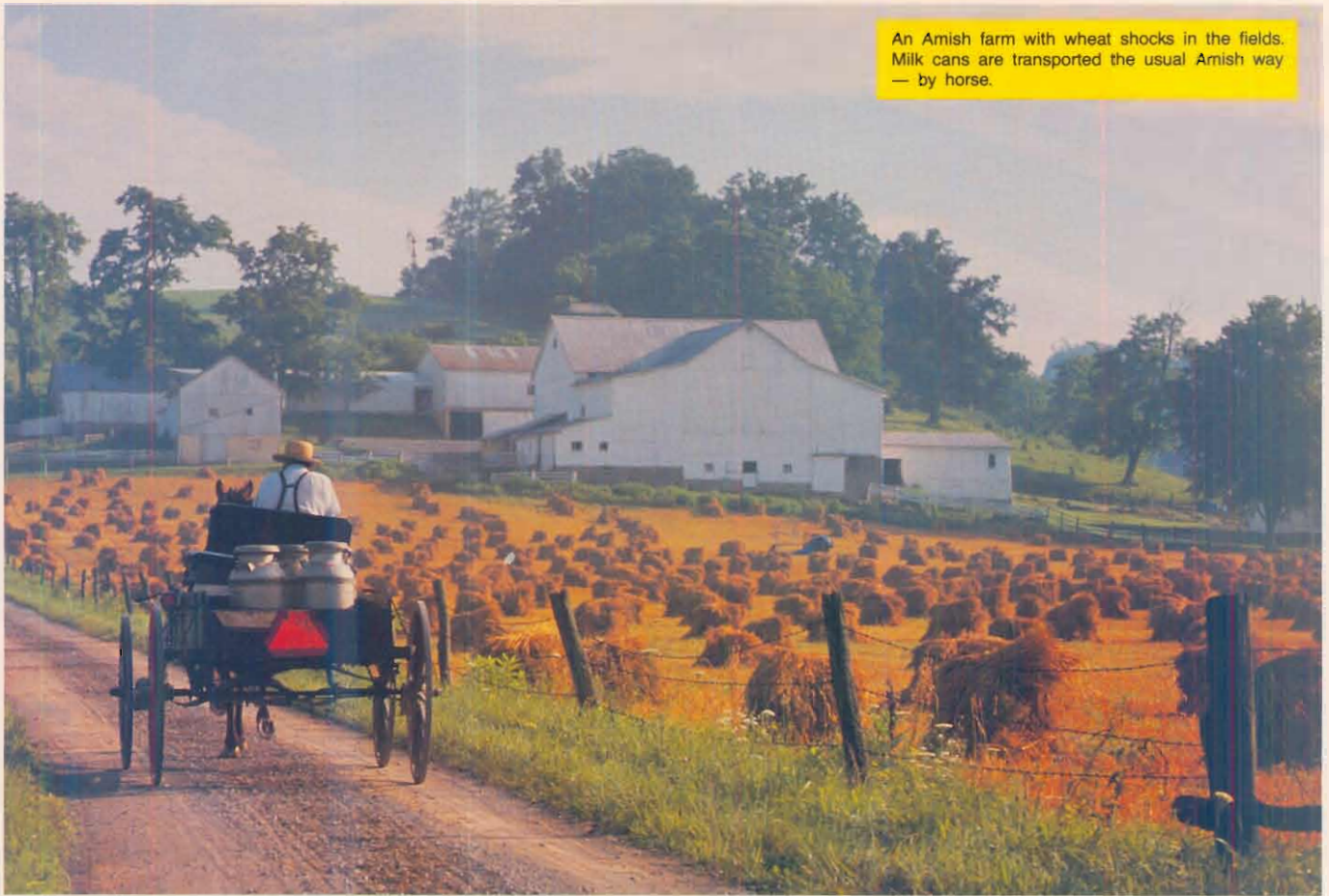
On a smaller farm it is easier to control weeds and bugs and this eliminates the need to use expensive fertilizers, herbicides and pesticides. The manure from their farm animals contributes organic material to the soil, which in turn helps to mellow it, soften it, and makes soil nutrients more available. The soil more easily soaks up rain and reduces the problem of erosion. The Amish seldom sell grain (a net loss of organic material). Instead, they feed it to their livestock and sell milk, meat, eggs, etc., thus retaining a greater share of their profit dollar while their animals turn the grain back into manure. The Amish do not seek to master nature or to work against the elements, but rather to work with them.

Barn raisings are a symbol of Amish economic sharing and community cooperation. When a tornado leveled four barns and acres of prime Amish timber near Wooster, Ohio, the neighbors immediately went to work. In three weeks the downed trees were sawed into heavy beams, posts, and girders and the four barns rebuilt and filled with livestock donated by the neighbors.

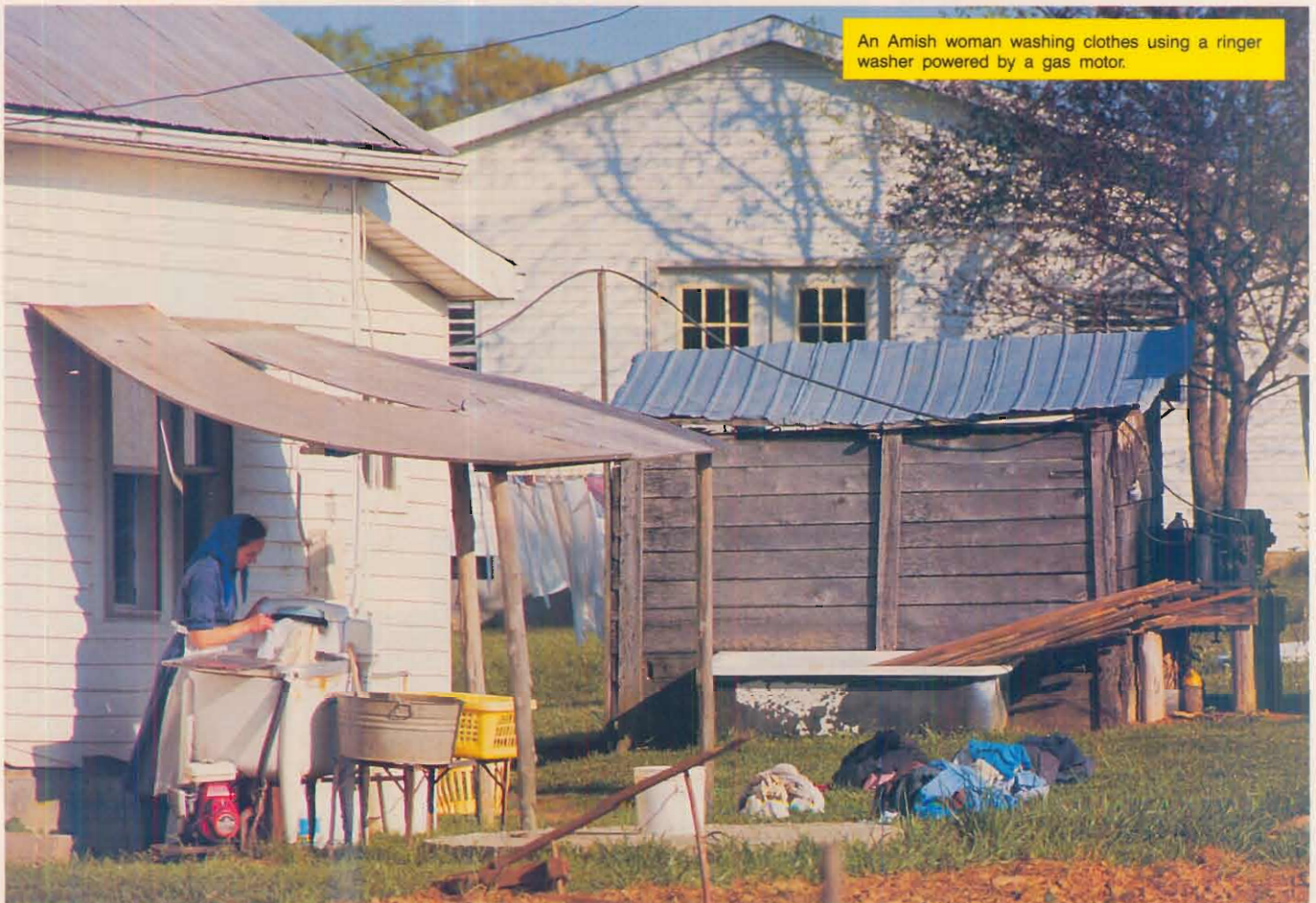
Amish barns are huge, three and four story handcrafted works of art. Held together with hand hewn mortises and tenons using post and beam construction, a barn can be raised by an army of Amish men and boys in a single morning. One "English" (non-Amish) contractor said that it would take him and a beefed-up crew all summer long to build a barn, and that was if he could find anyone skilled enough at mortising to do it. The cost would be about \$100,000. With the Amish working together the price is down to \$30,000.

Amish homes generally aren't wired up to the electric power grid or plumbed with running water from city water supplies. That doesn't mean they live in primitive, squalid conditions. Their homes are built as sturdy and fine as their barns, furnished simply but comfortably, and according to the progressiveness of their local order, they could be using anything from solar powered batteries, Honda generators or horse-powered systems to work machinery, pump water, or power appliances. Carpentry shops are based on the use of an air compressor and use pneumatic tools rather than electric-powered models.

(Continued on page 66)



An Amish farm with wheat shocks in the fields. Milk cans are transported the usual Amish way — by horse.



An Amish woman washing clothes using a ringer washer powered by a gas motor.

Types, Effects:

Photos Courtesy of Ft. Knox Public Affairs Office

Chemical Weapons

The first critical step in defending yourself against a chemical attack is knowledge...

By Captain James A. Kononoff, USAR

The author received his commission in the U.S. Army Reserve in 1980 after graduating from the University of Alabama with a B.A. degree in criminal justice. After attending the Infantry Officer Basic Course at Ft. Benning, Georgia, he served as an active duty infantry officer with the 9th Infantry Division at Ft. Lewis, Washington, until 1984. He has served as a light infantry Rifle Platoon leader, T.O.W. Missile Platoon leader and as the Assistant Plans & Operations Officer for the 9th Infantry Division's G-4 (Logistics) section. While at Ft. Lewis he attended a branch course of the Nuclear, Biological and Chemical Warfare School and thereafter served as his unit's NBC Officer — The editors.

"INCOMING!!"

Automatically, the squad hit the dirt and waited for the first round to impact so they could determine which direction to sprint to exit the kill zone.

It wasn't necessary. The SCUD missile exploded over their heads before it could deliver its high explosive payload into their laps. Picking themselves up and thanking God for the Patriot missiles that had saved them again, they took time to reflect on the universally dismal condition of the infantryman: it was raining, dammit. Although it was a bit cloudy, no rain had been forecast. Another G-2 screwup.

Gazing upward, the squad leader took notice of the oily consistency and strange fruity smell of the localized deluge. Turning to his first fire team leader, he started to ask if anyone had seen the Patriot intercept when he noticed two things: He had a tightness in his chest and his nose was running profusely. Scrambling for his protective mask, the squad leader tried to scream "GAS" and found he could do neither — his limbs wouldn't respond and it was a major effort just to draw a breath.

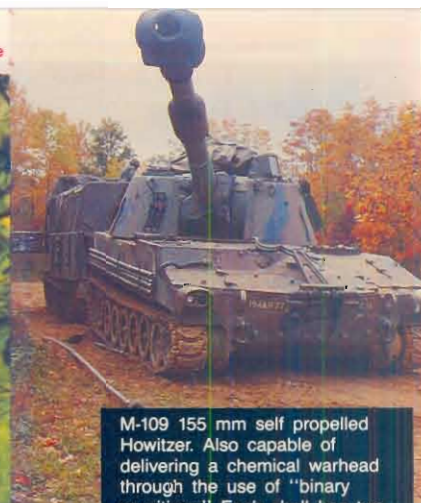
As his vision began to dim, his terrified eyes darted wildly to view the plight of his troops. Some were drooling and vomiting. Others were doubled over as the agonizing muscle cramps struck. As the sergeant watch-



Soldier on the right is in total MOPP gear except for the booties. He is mission capable.

NBC training with tear gas to provide proper motivation. Exposure is painful.

Infantry fighting vehicle, M-2 Bradley. This vehicle is supposed to incorporate the same NBC protection used by the M1A1 tank.



M-109 155 mm self propelled Howitzer. Also capable of delivering a chemical warhead through the use of "binary munitions." Each shell has two sections, each containing a chemical in an inert state. When the round is fired, the spin of the shell shatters the dividers, mixing the chemicals and the nerve agent is activated. A proximity fuse detonates shell in the air to provide widest possible dispersion.



ed, they began to convulse. He felt his bowels and bladder void themselves and he thought: "I'm dying." Slowly drowsiness overtook him as he joined his squad in death.

The above scenario is the worst nightmare of every soldier on the modern battlefield. All of the major world powers have some sort of nuclear, biological, & chemical (NBC) warfare capability, both in the offensive and defensive roles. This article is going to deal with survival in a chemical environment — largely because it is the most likely scenario when dealing with unconventional weapons and because it is the only scenario that relies on *individual responsibility for survival*.

Despite all official protests from those wonderful people at the U.S. Army Training & Doctrine Command (TRADOC), surviving a nuclear strike (tactical — .5 to 15 kiloton) on the battlefield is a matter of luck and proximity. Biological warfare is just too tricky to use with a great deal of success. Used in large quantities, there is too great a chance it will backfire and start a fatal epidemic among your own troops. This is a far better weapon for use by terrorists in small quantities. In either case, there is virtually no way to protect yourself in case of an attack.

The first critical step in defending yourself against a chemical attack is knowledge. There is a truism that states: "knowledge is power;" in this case, the power to stay alive. First, some general facts and definitions. Chemical agents used in the prosecution of a war can be broken down into four general categories: nerve, blister, blood, and choking.

Each of these categories of chemical agents contains certain specifications common to all:

1. *Properties of the agent.*
 - a. *Physical state:* Usually liquid, aerosol, or vapor (gas).
 - b. *Color of the agent when used in its various forms.*
 - c. *Odor of the agent when used in its various forms.*
 - d. *Purpose:* Universally true of all chemical agents, they are used to produce casualties.
2. *Portals of entry into the body.*
 - a. *Respiratory tract*
 - b. *Digestive tract*
 - c. *Skin and eyes*
3. *Physiological action:* The way in which the agent attacks the human body.
4. *Method of delivery:* Aircraft (spray or bomb), artillery, missiles/rockets, and land mines.
5. *Rate of action:* The period of time from the moment of contamination to the moment of death.
6. *Persistence:* Period of time the agent remains in place when deployed

Nerve Agents — Because of their potency and quick rate of action, *nerve agents are the most toxic chemical agents* known to man. They are also among the most versatile, holding among their properties the capability to be employed as liquid, aerosol or vapor depending on level of purity. These agents can also use all portals of entry including absorption through the skin.

Remember television network coverage of SCUD attacks on Israel during the recent unpleasantness in the Persian Gulf? There was dramatic footage of correspondents putting on protective masks *without also donning protective suits*. I fully expected to watch the fools die on live TV.

Nerve Agents can be divided into two groups: G-series and V-series. G-series was developed by the Germans in the 1930s and includes the standard Soviet nerve agent, GD Soman. Soman is colorless and when used in its pure form, its rate of action is about 15 seconds. Its normal persistence (length of time it's present) is about 1-2 days. It is rarely used in its pure form — most often used as a thickened liquid. This raises the rate of action to about 10 minutes and doubles the persistence. Another agent, GB Sarin, has a rate of action of 15 minutes, but is non-persistent and it evaporates like water.

V-series really contains only the agent known as VX. It is available only in liquid form and has the coloring of amber (like motor oil — with about the same rate of evaporation). Its rate of action is about 15 minutes and it is considered to be very persistent.

Recalling the unfortunate tale of the infantry squad at the beginning of this article, you will remember the squad leader experiencing a runny nose, tightness in his chest/difficulty in breathing and dim vision. These three symptoms positively identify nerve agent poisoning.

That was phase one. With immediate first aid, chances of recovery are excellent. Drooling, muscle cramps and involuntary urination are signals of phase two. With first aid, chances of recovery are still good. Confusion, convulsions, drowsiness and coma signal the onslaught of phase three. Even with first aid, chances of recovery are slim.

Before first aid comes protection. Protection from nerve agents involves a *complete ensemble of clothing and gear*. In the U.S. Army, this translates into MOPP gear. MOPP stands for Mission Oriented Protective Posture. MOPP

gear includes the M18A1 protective mask with combat filters (as opposed to training filters) and butyl rubber hood; there are rubber booties and rubber gloves (with cloth liners). Finally, there is the protective overgarment itself. The key ingredient is the charcoal lining which prevents penetration of toxic chemical agents.

Lets say your chemical alarms fail you and those terrifying symptoms of phase one nerve agent poisoning appear. MASK if possible to avoid further contamination. Next, go for your atropine injectors contained in a compartment of your protective mask carrier. Remove the yellow safety cap, press the green end firmly against your outer thigh until the needle injects. Hold three seconds, remove, and massage the area. It is critical to remember that atropine is NOT an *antidote*, it merely treats the symptoms until you can reach a hospital. Repeat the injections as needed one every 10-15 minutes up to a max of three shots. Then decontaminate, if possible and seek medical aid. An injector has one dose.

Interesting point here, each soldier is only issued two injectors. When I was a young lieutenant on active duty, I attended a branch course of the NBC warfare School at Ft. Lewis, WA. I inquired of the sergeant as to where we would find another atropine shot on the battlefield. His reply was sobering: "Sir, he said, in the event of a *real* chemical attack, there will be plenty of people lying around who won't care if you use theirs. . . who won't care about anything ever again."

In the case of buddy aid, there is no waiting period, hit him with all three consecutively; and pin them to his collar. This applies even if he is wounded and takes priority over treatment of the wound. Next, treat the wound, treat for shock and medevac to the hospital.

There are side effects of atropine you should be aware of: dry mouth, acute thirst, urine retention and constipation. **DON'T PLAY WITH ATROPINE!!** Administered to a human body in the *absence* of nerve agent, atropine can easily kill. Keep in mind that nerve agents kill by disrupting nerve impulses throughout the body, including those of the autonomic system: heart-beat, breathing, etc. It is an agonizing death — whether it occurs in 15 seconds or 15 minutes. Prevention is the *best protection*, but if contamination occurs, immediate first aid is the only hope of survival.

Choking agents (phosgene and chlo-

Chemical Weapons

rine gas) were the first chemical agents used on the battlefields of Europe during WWI. The portal of entry was solely respiratory. Once inhaled, the agent breaks down the tissues of the lungs, causing the lungs to fill with body fluids and creating a condition known as "Dry Land Drowning."

With modern medical care however, there is very little chance of this actually happening. Incidentally, chlorine gas can be easily made from chemicals found in the home. These agents became obsolete with the advent of the first rudimentary protective mask. Choking agents are no longer considered viable for tactical use.

Blister agents were developed during WWI in order to circumvent the protective mask that had made chlorine gas obsolete. They are primarily designed to attack through the skin and eyes but they can use other portals of entry as well. Blister agents are not designed to kill but rather to produce mass casualties, which will require hospitalization. On the battlefield, this means a concentration of resources, especially medical and transportation.

A dead man is just dead. If mission constraints do not allow for the evacuation of the body, put a dog tag between his teeth, roll him in a poncho and mark the position of the body with an eight digit grid (map) co-ordinate. Presto! Continue the mission. The procedure is much different for the wounded. A wounded man requires the attentions of a medic, plus medevac resources, etc. All this strains the system and slows the accomplishment of the mission.

Blister Agent Types — Blister agents are divided into three families: Mustard (H-series), Arsenicals, and Urticants. They share some common traits. The agent most often appears as a liquid. After a soldier is contaminated, it is often hours before the first symptoms appear. Huge beesting like weals appear all over the body — they can run the entire length of the leg and the bubble can be raised two inches from the skin's surface. In and of themselves, the blisters are usually not painful... but brush up against *anything*, ever so slightly (even clothing) and the agony is incredible. Blister agents rarely kill directly. The real danger is from infection after accidentally rup-

turing a blister.

Blister agents are persistent, usually several days. They can be colored pale yellow to a darker color. Odor varies from a fishy smell to geraniums to garlic. Persistency may be reduced by hot humid weather. Some blister agents will cause rapid bleaching of the skin and most will cause severe eye damage unless there is immediate decontamination.

Total protection from blister agents may only be achieved through the use of all available MOPP gear: protective mask/hood, overgarment, booties, and the gloves/liners. First aid: avoid braking blisters. If they do break, treat as an open wound and prevent infection. Treat for shock. Field expedient protection from blister agents could probably be made from a suit fashioned from heavy sheets of plastic — viable only in the short term, of course.



M1A1 Abrams tank has an NBC protective system built in to protect the crew without MOPP gear.

Blood agents (there are two in the family) kill by denying the body its ability to extract oxygen from the blood. Blood agents are cyanide based and only available in the physical state of a gas — and all gas is considered to be automatically non-persistent. Because these agents are gases, the only portal of entry of concern is the respiratory system. Therefore, the only defense necessary is the protective mask.

The two types of blood agents are AC & CK. AC is based on hydrogen cyanide and is the standard Soviet agent of this type. It has an odor of bitter almonds and its rate of action is termed "very rapid." The good news is that it is the most non-persistent of all chemical agents — it's slightly lighter than air and tends to slowly rise. CK is based on cyanogen chloride and its odor is described as "irritating." The way to

instantly identify blood agent poisoning in a human is to observe the lips and skin of the victim after suspected contamination. If the lips and skin turn red (grey on black soldiers), it's a blood agent. There will also be dizziness, highly elevated pulse rate and a headache that feels as if the "Terminator" has been playing "wipeout" on your skull with a 12 pound sledge! Convulsions and death follow.

First aid for this agent is to break two ampules of *amyl nitrite* and insert into the victim's protective mask above the nose cup. Repeat at three to five minute intervals up to a maximum of eight ampules. Any more than eight ampules and there is a risk of overdose and death from the cure!!

Protective Mask — The key element in any form of NBC protection is the quality and ease of long term operation of the protective mask. The U.S. Army uses the M-17 series protective mask for its infantrymen. These masks are pretty easy to use, once they have been properly prepared for use by the trained personnel in the NBC Company team — usually consisting of the company Executive Officer and a few selected NCOs.

Easy to use, but a difficult to maintain! The heart of any mask is its filters. The filters on the current issue mask are only good for two or three chemical attacks before they must be replaced. The replacement process is intricate, frustrating and protracted. NOT conducive to survival on the battlefield. Far superior is the standard mask used by the Israelis; with its single, screw on filter element.

The MOPP uniform as an ensemble was designed for use by NATO in a distinctly European scenario. With the outside air temperature at approx. 70 degrees, temperature inside a closed up overgarment, with mask, hood, booties and gloves on can go 90 degrees or more! In Saudi, I'm told that temperatures went as high as 120 degrees! The point is, there will be moderate to severe degradation of the ability to perform even the simple tasks. This problem *must* be planned for, in the event of any future conflict.

There will be war — it is in the nature of man. Due to the lethality and perhaps more importantly, the psychological impact; chemical weapons will leave their mark on future battlefields — battlefields that may not necessarily be on a foreign shore. My survival plan takes this into account — does yours?? ●



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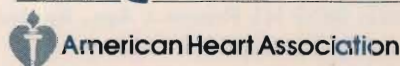


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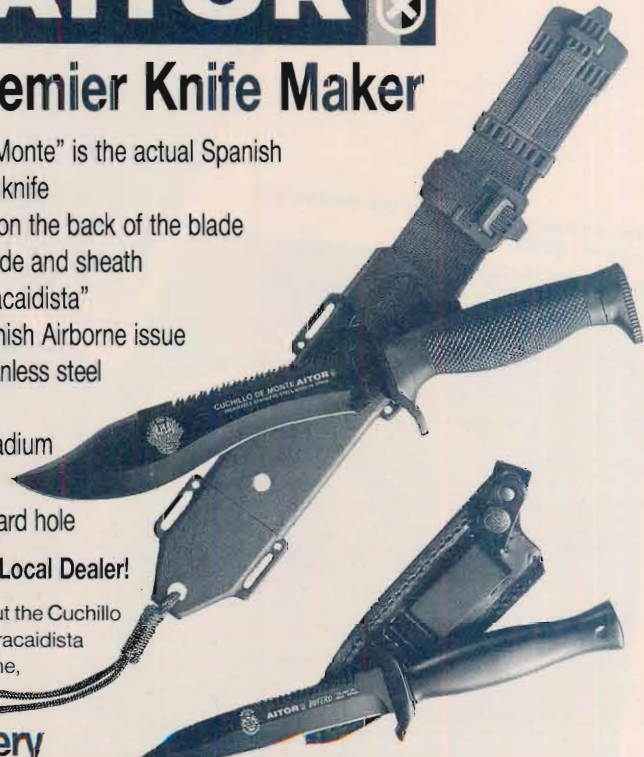
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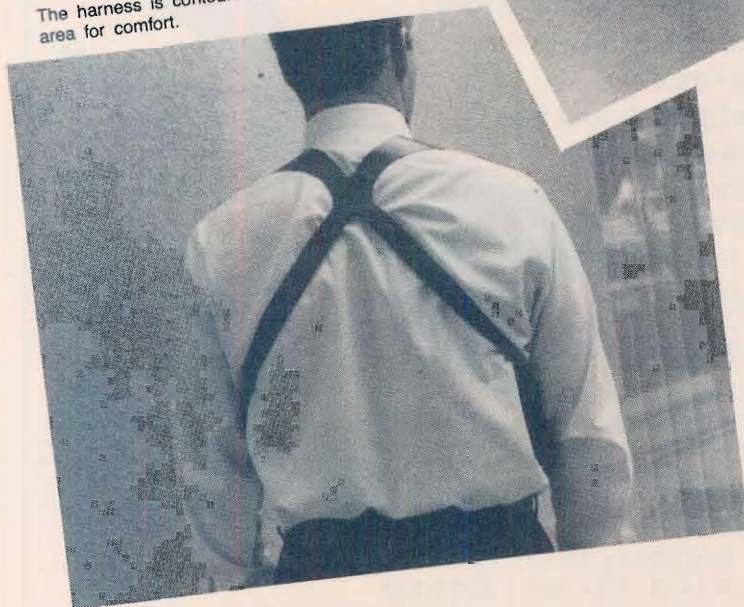
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The Vice II shoulder holster rig for the Smith & Wesson Model 6904 9 mm pistol. Pistol is carried diagonally under the left arm. Two-magazine pouch is held under right arm.



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Staff Report

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The pistol or revolver is carried diagonally under the arm. The double magazine pouch and holster are pressure molded to fit individual guns the rig is available for. These include the 1911A1 .45, S&W 4506 and 5900 and 6900 series, S&W 3913 and J, K and N frame revolvers, SIG 220, 226, 228, Beretta 92F, Ruger P-85, Walther PPK and P88. Inquire for other guns.

The Vice II holster rig is \$79.95 plus S&H from Adventure Supply, Dept. ASG, 9855 H1 Prospect Ave., Santee, CA 92071; (619) 596-1963. ●

Standard Revolver

(Continued from page 36)



Swing-out cylinder and hand ejector make reloading quicker and easier.

and firing pin. Pulling the trigger with the hammer forward (double action), cocks and releases the hammer automatically with the transfer-bar acting in the same manner as when fired single action. In other words, the gun will not fire unless the trigger is pulled rearward completely.

The overall length of our test gun is 7 inches. The weight empty is 23 ounces.

We test fired our Standard revolver with some Federal Hi-Power 85-grain jacketed hollow point .32 H&R Magnum ammunition.

We chronographed this ammunition fired in the Standard revolver about 4 feet from the first Skyscreen of our Oehler Model 35P Chronograph. The mean velocity was 864 feet per second, with a five-shot high of 902 fps and a low of 840 fps.

Firing from a standing position without using a rest at targets placed about 15 yards away we found the Standard revolver has good accuracy. With fairly quick aimed fire at this distance, our groups were in the 4- to 6-inch range, discounting a few flyers.

The .32 H&R Magnum round packs some punch to it for its light weight. Fired in our 2½-inch revolver you get a relatively high velocity. Recoil is noticeable but not a hindrance in using this gun.

The Standard seems pretty well made, it performed reliably and shot accurately. It's not the most finely finished of guns, but it's a reliable workhorse and is very modestly priced. For more information see your gun dealer or contact: New England Firearms Co., Inc., Dept. ASG, Industrial Rowe, Gardner, MA 01440; (508) 632-9393. ●

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SECURITY Vault Systems of San Diego, California, has introduced a line of electronic battery powered "Wall Vaults" mounted in the wall at eye level between wood or metal studs for virtually instant access storage of guns and valuables.

In a matter of seconds the gun owner activates the electronic keypad with a personal, secret four-digit code, opens the door and has a loaded weapon in hand.

Concerns about unauthorized access by children or criminals are eliminated. Firearms and valuables remain securely locked inside the vault until they are needed.

By using optional door-mounted holsters the gun owner can have a weapon set for quick, positive retrieval. A complete accessory line of custom clipped holsters is available.

Wall Vaults are security engineered and constructed of heavy 14 gauge premium cold rolled steel. The large rifle vault has six locking bolts, while the smaller two units offer a tri-bolt locking system. The off-white exterior is an electrostatic-textured finish designed to resist chipping or scraping.

Wall Vaults can be installed in any wall with simple tools in about 20 minutes and come with illustrated mounting instructions. They can be mounted in almost any location in a home or business.

Access is limited to the owner only. Three wrong keypad code entries cause a lockout. The LED lights warn of low batteries or tampering.

The system operates on four AA batteries for about two years and can be easily replaced from inside the safe. Should the system power down, an emergency External Powerpack plugs into the keypad for entry and battery replacement. There are over 37,000 Wall Vaults in use by law enforcement agencies, federal and state governments, major hotel chains and thousands of homeowners across the country.

Suggested retail prices are \$539.95 for the large Model 625 KP (18" wide by 60" high by 7" deep); \$429.95 for Model 525 KP (18" wide by 24" high by 7" deep); and \$379.95 for Model 425 KP (18" wide by 14" high by 7" deep). Dealer inquiries welcome. For more information, contact Security Vault Systems, Dept. ASG, 4206-A Sorrento Valley Blvd., San Diego, CA 92121; 619-450-9001 or toll free (800) 275-9001; fax: 619-450-9034. ●

Safety, Accessibility:

Wall Vaults

Three models of wall mounted gun/valuables safes providing instant access with an electronic keypad...



Electronic keypad provides instant access and prevents unauthorized access by children or burglars.

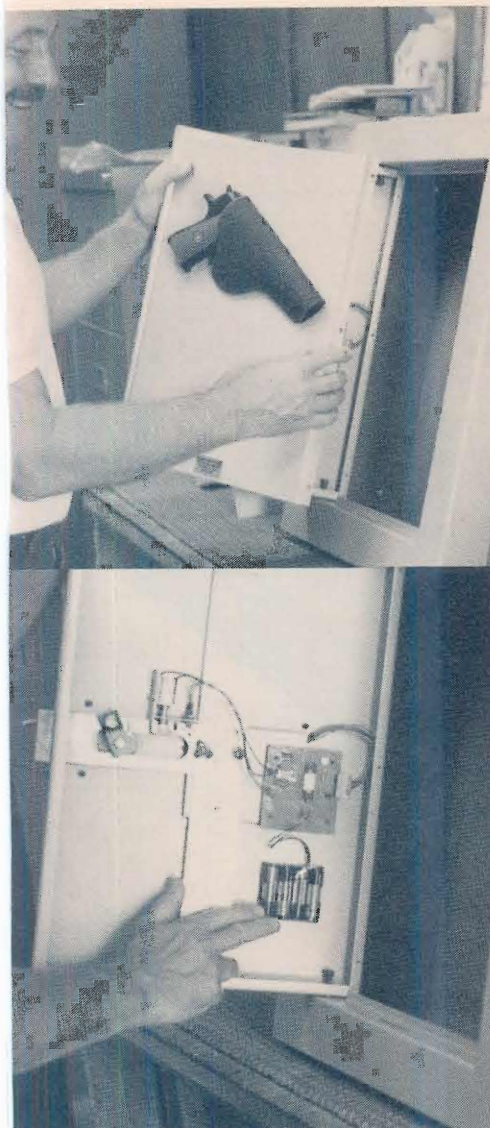
The three models of Wall Vault available from Security Vault Systems.



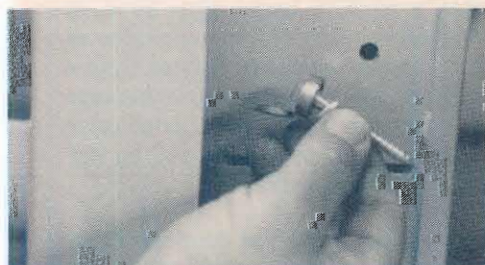
Wall Vaults can be purchased with door-mounted holsters for many types of guns.



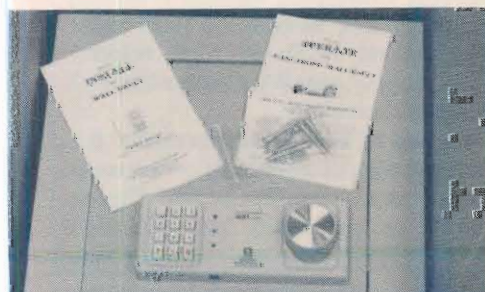
Thick neoprene pads protect guns from damage while in storage.



Security Vault Systems President Jed Staley demonstrates how batteries are replaced in the Wall Vault.



One of the bolts used to secure the Wall Vault in wall studs.



Model 525 KP with installation and operating instructions ready to be shipped.

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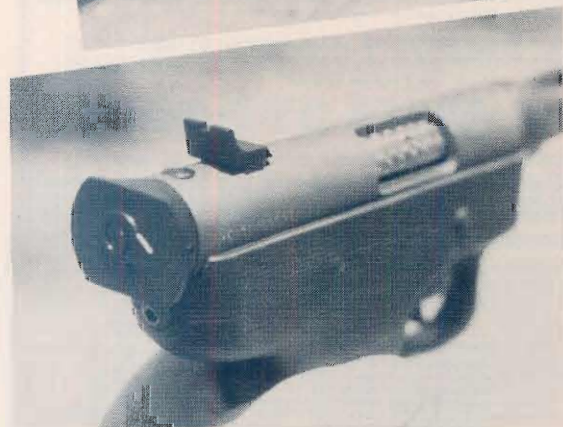
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Exactor Pistols

(Continued from page 24)



The 4-inch model has a 13-shot magazine.



Standard fixed rear sight for the Exactors.



Five-inch Exactor with optional adjustable rear sight. Receiver is drilled and tapped for scope mount.

When the safety lever is pushed forward, a red dot indicates the pistol is in the "Fire" position.

The standard sights are a fixed rear square notch and fixed molded front blade which is serrated to reflect sunlight away from the eye. There is now an optional adjustable injection molded rear sight available for all production Exactors. This sight provides quick and easy windage and elevation sight adjustments with a small flathead screwdriver or similar instrument. Black, orange and white sight inserts are also available for these sights.

All Exactor receivers now come drilled and tapped for mounting scopes or other optical sights. Among the accessories for these guns Ram-Line makes are scope mounts for 1-inch Weaver style or tip-off style for tip-off rings.

Another new and attractive option for the 5.5-inch barrel Exactors is colored anodized receivers. These are

available with either grip style in red, royal blue, forest green, gold and platinum. Their bolts are jeweled.

Disassembly and reassembly of these guns is accomplished with a hex wrench supplied with the gun in its locking plastic case. Field stripping begins with removal of the takedown screw at the rear of the upper part of the grip with the hex wrench.

The 8-inch barrel Target Exactor has a Conventional style grip and Ram-Line's unique "Adapt-A-Barrel." This allows the owner to adapt the pistol to their shooting needs. The barrel was designed with a molded-in lower dovetail for customizing the barrel with laser sight or flashlight. The user can adjust the weight and balance of the pistol with optional weight cavities available from Ram-Line for competition shooting.

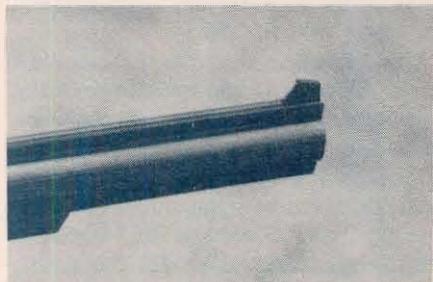
Our prototype 4-inch barrel model came with adjustable sights. It appears to be a hybrid Exactor, with Dynamic grip and chopped down Target barrel.

We understand some people who've seen and shot this stubby little gun want a slightly larger grip on it. It weighed in with empty magazine at 19.5 ounces, not much lighter than a standard Dynamic Exactor. If this compact version does reach production stage, chances are there will be significant changes in it.

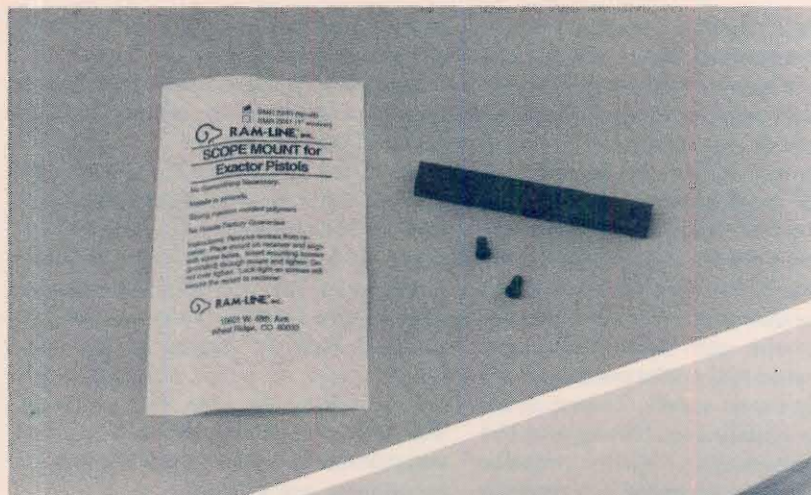
Test Firing — We test fired the Exactor pistols with six types of .22 LR ammunition. These were CCI Stingers, Federal Champion standard velocity target ammo, Remington high velocity, Federal Hi-Power high velocity, PMC Zapper and Winchester Super-X rimfire cartridges.

In one of the 5-inch (actually 5.5-inch) models, we got the following mean velocities with our Oehler 35P Chronograph: Stinger-1,398 fps; Champion — 1,016 fps; Remington — 1,055 fps; Zapper — 1,075 fps; Fed. Hi-Power — 1,113 fps; Winchester Super-X — 1,056 fps.

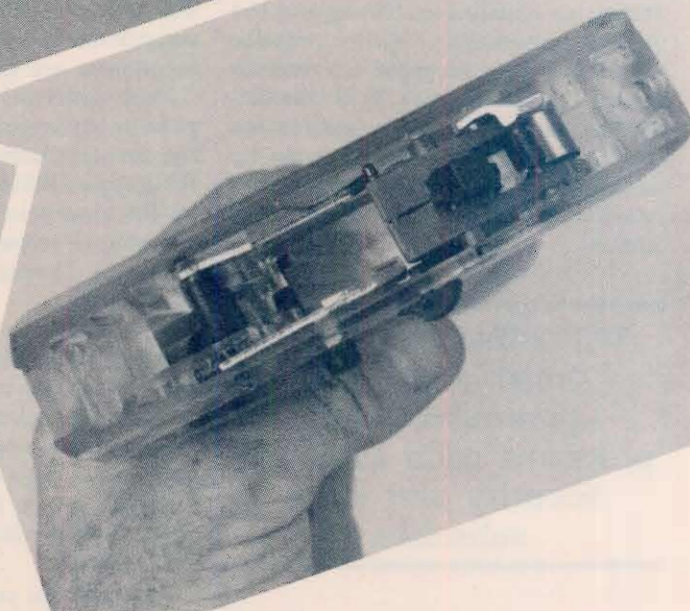
Optional scope mount for the Exactors.



Front fixed sight is serrated to reflect sunlight from the eye.



These clear models show the different grip configurations and inner workings of the Exactors.



In the 8-inch Target Exactor we obtained the following velocities for the ammo in the same order as above: 1,522; 1,099; 1,172; 1,175; 1,202; and 1,141.

Our velocities for the same ammo fired in the 4-inch were, as expected, somewhat slower than with the longer-barreled Exactors. Accurate mean velocities for these types of ammo fired in the 4-inch Exactor are not available due to my fouling up in operating the chronograph during the velocity testing for this prototype. Top velocities for the same ammo order, however, were: 1,344; 1,003; 1,059; 1,051; 1,092; 1,022.

As far as accuracy goes, we were very pleased with the accuracy of all the Exactors. The Target model, of course, provides superb accuracy, with or without a scope, but the 5-inch models are also really good shooters. The 4-inch wasn't bad, but only came close to the accuracy of its 5.5-inch siblings, and couldn't compare with the

Target model.

All test shooting was done from 25 to 30 yards. We mounted a Burris Long Eye Relief 1½X4X scope on the Target Exactor and, as would be expected, our best groups were obtained with this, although we should have tested it at farther distances. With all the shooting we had to do that day, we ran out of time for additional target practice at longer ranges with this gun. Our best groups with the Target model fitted with the scope came in at around 2 to 2½ inches, with some hits no more than ½ to ¾ inch apart. In a couple of instances, we had contiguous hits on the paper targets. No doubt this gun is extremely accurate. It's our shooting techniques that need work.

The 5-inch models were fired without use of a rest at 25 yards and groups opened up considerably, but we still managed to get a few good groups in the 3- and 4-inch range. Ram-Line advertises that the 5-inch models will deliver 2-inch groups at 25 meters

(obviously firing from a rest), and we don't doubt this at all.

In all the test firing, there were very few jams, and these were quickly cleared and we continued firing with all the guns. One batch of Remington ammo seemed to give us a jam every three or four rounds we fired in the Target model, but since this didn't happen with any other ammo used in this gun, we have to assume it was the ammunition. On the whole, these guns performed excellently, given the propensity for .22 LR automatics to jam. We ran hundreds of rounds of different ammo through these guns and they continued to perform again and again.

Highly accurate, lightweight, well made, fully factory warranted, dependable, comfortable to shoot and attractive looking. What more would you ask for?

For more information contact Ram-Line, Inc., Dept. ASG, 10601 West 48th Ave., Wheat Ridge, CO 80033; 1-800-648-9624; or 1-303-467-0300. ●

Amish Low Tech Living

(Continued from page 54)

The Amish Kitchen — Amish women pride themselves on their cooking, but if you can't have a modern gas range, a microwave oven or an electric refrigerator, how do you preserve food and cook tasty meals? You get by with old fashioned wood-burning cookstoves, liquefied petroleum gas (LP), propane refrigerators or even old-style ice boxes.

The Amish use one of three main types of cookstoves. The most conservative groups and those with easy access to wood still prefer wood-burning stoves. Kerosene stoves, known as oil stoves, are widely used throughout the Amish community, while propane stoves have been accepted in a number of Amish communities. It is interesting to note that Coleman camp stoves are favored in the summer time by many Amish homes when a cast iron woodstove would be too hot to work around.

Self-sufficiency is the Amish answer to government aid programs such as Social Security and farm subsidies.

Although the Amish seem to reject change and progress instinctively, they are not lacking in inventiveness and ingenuity. In the 1970s two Amish brothers from Aylmer, Ontario, decided to design a cookstove that was more fuel efficient and easier to use than available models. The brothers, Elmo and Mark Stoll, wanted to utilize the downdraft system that was typical of heating stoves but not found in any cookstoves. Their idea was to make a stove airtight so that heat would not escape up the flue unnecessarily and that a larger oven should be provided. They also desired to build the firebox big enough to hold an entire evening's worth of fuel — no more getting up in the middle of the night to stoke the fire.

After weighing the pros and cons of various available cookstoves they incorporated the best features into their own design. The result was the Pioneer Maid stove, which first appeared in 1979. These plain black stoves are manufactured by an Amish shop in

Aylmer and are very popular in many Amish communities.

Refrigeration for conservative Amish members is done by simply setting perishables outside or in unheated parts of the house during the winter. During warm weather they use cellars and wells to provide a limited cooling effect. If a farm is fortunate to have a spring on the property, the natural chill of the flowing water is used to preserve food. A "spring house" is a small stone or brick building built over a spring for this very purpose. The water is routed through cement compartments and channels where food containers are placed.

More progressive families use propane or kerosene refrigerators such as the Swedish-based Dometic, and the Swiss-based Sibir units. These operate on the absorption system by which a kerosene or propane flame cools a compartment through evaporation and condensation.

What would we do without the electric lightbulb? The Amish seem to do just fine. Most use lamps that burn pressurized "white" gas or naphtha, like Coleman camping lanterns. Very conservative groups still use the old-style kerosene lamps that give out lots of light like the Aladdin tall glass chimney lamps.

And what do you do with no TV or radio in the house? The Amish enjoy each other's company and like to play games like Dutch Blitz, a card game which involves lots of shouting and slapping cards down on the table. Since there are no telephones they write letters or visit other families, and they enjoy singing. There always seems to be a quilting bee or some type of "work bee" going on that keeps them busy and socially united. Because farm work begins very early in the morning, they retire to bed relatively early and save on lighting fuel.

The Amish try to separate themselves from the outside world as much as possible and this means minimal contact and ties with government. They pretty much govern themselves and refuse government aid like Social Security, farm subsidies and welfare. They don't rely on life insurance, or believe in shutting their elders off to retirement homes. The family, relatives and community support each other and take care of each other. Schooling is done by their own Amish teachers and

doesn't go past the basics. High school and college are considered unnecessary for their way of life.

One principle that the Amish hold is the doctrine of non-resistance. They have no rationale for self-defense or for defending their possessions. Problems of hostility are met without retaliation. They would rather move to a new location, like Abraham did when the Philistines stopped-up all the wells, than to remain and fight. While this may be an important aspect of their religious training, many survivalists would consider this is a poor strategy for survival.

The Amish are a unique subset of modern society — living in the world but striving to escape its modern pressures and conveniences. Their strict and simple life may not be "our bag" but just knowing that they can do it, might give us some sort of reassurance that if we had to, we could too. ●

Amish Product Resources

Gohn Brothers, Box 111, Middlebury, IN 46540.

Gohn Brothers supplies the stricter Amish and Mennonite orders with their traditional "plain" clothing as well as plain broadcloth material and other yard goods. Their clothing is comfortable, durable and low in price. Many hard-to-find items are listed. Service is fast and courteous. Catalog is free.

Flying Eagle Hat Mfg., 4998 Fountain Nook Road, Apple Creek, OH 44606. Amish style hats in both straw and black fur felt. Price range is from \$5 to \$30.

Lehman's Non-Electric Catalog, P.O. Box 41, 4779 Kidron Road, Kidron, OH 44636; (216) 857-5441 or fax (216) 857-5785. Every survivalist should have this catalog! Lehman Hardware and Appliances is located in the heart of Amish country and supplies this community with many "outdated" and "obsolete" products that were probably used by our great grandparents when electricity was still a novelty. You'll find gas-burning refrigerators, gasoline-powered washers, James Handwasher, non-electric lights, wood and coal heating stoves, cast iron kettles, water pumps, sheep shears, lanterns, blacksmith tools, butterchurns, heavy timber farming tools and the finest carving chisels. Catalog is \$2.

Yoder Bargain Store, 7806 Salt Creek Road, Fredericksburg, OH 44627. For those homes that have turned off the television and VCR, Yoder's offers some of the more popular games played by Amish families during the early evening hours. Dutch Blitz, Uno, Shuffle board and Super Deluxe Carrom. One of the unique items they carry is the Theater II Popcorn Popper for \$18.90 (works over the stovetop and has a crank to keep the kernels from burning).

Cumberland General Store, Route 3, Crossville, TN 38555. Cumberland has a selection of country goods similar to Lehman's, plus a wonderful selection of horse drawn buggies and wagons.

ASG 1101

Jacksonville, Florida. Group in this area looking for new members. Need a communications expert and a gunsmith especially. Any others needed as well. Training will be on our land in South Georgia. Looking for motivated, reliable people only. USA is #1.

ASG 1102

Pensacola, Florida. Looking for persons with pilot skills. Please send list of what you can fly. Also, aero-mechanical persons. List of what you can fix. Just out of military OK. Anyone with any skills of a military nature who can't find a job and want to join a new paramilitary group. I will hold all letters in strictest confidence. Will return answer letter as soon as possible.

ASG 1103

USA/World. Teen/military organization, also dealing in UFO research is seeking teens across the U.S. and the world to assist the organization in its attempts to become a national and international organization. We do not discriminate.

ASG 1104

Dade City, Florida. Interested in forming group in the Dade City area and networking with other groups in the state for information exchange and mutual support in times of need. Many skills will be needed for this group to work, so we will need members who can instruct as well as those who want to learn. Men and women of all races welcome. Racist, communist and gunshop commandos not needed.

ASG 1105

Northwest Florida. Pagan/Wiccan couple, college educated, seek open minded survivalists to exchange information, skills, establish network of safe havens throughout country. We are pro-gun, libertarian, and believe in strict adherence to the Bill of Rights. We welcome all intelligent individuals regardless of race, religion, sexual preference or age.

ASG 1106

Jeff Davis County, Georgia. Survivalist looking for groups or individuals in this area or other parts of southern Georgia or north Florida. I am a ham radio operator and I am well prepared.

ASG 1107

Eastern North Carolina. 27-year-old male, survivalist for the past eight years. I am now a member of the North Carolina State Militia. Would like to correspond with other militia members from North Carolina or other states to exchange ideas.

ASG 1108

Vienna, Virginia. I am 19 years old, 185 pounds and a weight-lifter. I own an AK-47 with 1,000 rounds and a 9mm pistol with 500 rounds. I own a few survival books and practice skills on several wilderness trips a year. I have many armed friends not as interested in survival but are a backup. I also have access to family property in southern Virginia along with other properties owned by friends.

ASG 1109

Central Virginia. 18-year-old, non emotional, meaning no personal or love life to get in the way of work or slow things down. I want to join a survivalist group. I have many positive ideas, I'm a hard worker and willing to learn anything to gain experience and adapt to any environment. Willing to move to a different state to join.

ASG 1110

Bristol, Tennessee. 25-year-old male with highly tuned survival skills wishes to contact other individuals or groups to learn, teach and train with. Can offer medical, firearms, basic survival knowledge.

ASG 1111

Central New York. Libertarian minded, low profile, WM survivalist wishes to network with and meet like-minded individuals/organizations nationwide. I believe in the preservation of our Bill of Rights and the U.S. Constitution. For those who are committed to their beliefs, have the insight to see through government disinformation and government's contempt for the working people, take courage, stand up and be counted—I invite you to respond.

ASG 1112

Cape Canaveral, Florida. Active duty Army intel. Will be relocating to Florida in about two years after enlistment is done. Want to contact and eventually join a survivalist group in the area. Have all basic soldiering skills, highly competent in security. Will not teach intel skills. No extremists of any type.

ASG 1113

New York City, New York. I'm 40 years old, Spanish, 5'-6", 125 pounds. Single, no family. I would like to make friends with people with same ideas. I practice target shooting at a club here with a Glock 10mm. I like explosives, guns, hunting, camping, and reloading ammo.

ASG 1114

Clinton, Connecticut. 16-year-old white male, somewhat of a beginner survivalist, wishes to exchange information about hand to hand combat, survival techniques, firearms, explosives and major catastrophe survival. Would like a lot of info on hand to hand combat.

ASG 1115

Western Massachusetts. Post tribulation survivalist Christian, 37, interested in corresponding, possibly relocating to form group with those of related interests.

SURVIVALIST DIRECTORY

THIS IS A CONFIDENTIAL listing of survivalists who wish to become known to others of like mind. *American Survival Guide* will accept properly coded mail and forward it to the coded addresses without charge. *American Survival Guide* accepts no responsibility for the contents or results of these confidential communications. Mass mailings are not permitted.

ASG 1116

Cloverdale, California. Family oriented naturalist with global outlook and well defined plan of action. Founder of worldwide survivalist movement called Phoenix. Letter welcome to open communication lines. Age/gender/color irrelevant; common cause is our nexus. Will respond to all serious inquiries. My attitude is in the Boy Scout tradition, "Be Prepared," and in the spirit of the Three Musketeers, "One for all and all for one."

ASG 1117

Southwestern States. Army vet, skilled in infantry tactics and training. Also have knowledge of farming and ranching. Raised in remote area of southern Oregon. Seeking to join survival group in the Nevada, Arizona, California area. I have also an interest in correspondence with female survivalists since most other women do not understand the importance of preparation.

ASG 1118

Inland Empire, California. 32-year-old male looking for others to form small, low profile, self sufficient survival group. I possess a good working knowledge of small arms, emergency medicine, nutrition, orienteering and survival equipment. I am looking for others to help defray the cost of obtaining additional storage foods and provide extra manpower.

ASG 1119

North Palm Springs, California. Palm Springs area couple wish to make contact with others in Nevada. We are planning to leave California. Wish to join a group if possible.

ASG 1120

USA. Looking for training in survival, military, and martial arts. I'm very eager to learn. I'm also interested in groups. All letters will be answered. Please list skills.

ASG 1121

Palo Alto, California. 23-year-old straight, professional, single male seeks other survival-minded individuals or groups in California and neighboring areas. My experience is in communication, electronics and computers. Middle of the road politically. Very down to earth. Interested in sharing information and possibly preparing with a group for troubled times. I believe in trust, honesty, privacy, and the Second Amendment. Females and beginners welcome. Serious attitude required. Networking desired.

ASG 1122

Tucson, Arizona. 37-year-old Irish/German/Indian female. Interested in weaponry, electronics, basic survival skills, alternate energy, metal detecting, hiking, correspondence, visits with like-minded individuals when traveling cross-country.

ASG 1123

Lake Charles, Louisiana. 25-year-old ex-military white male seeks the few "stainless steel rats in our ferroconcrete society." I am a storm-vet, locksmith and have excellent computer and telecommunications skills. No gays, religious cults or weirdos.

ASG 1124

Golden, Colorado. Young male interested in the opinions of every American. Would like to receive opinions on any subject from survivalism to the future of Americanism. All letters answered.

ASG 1125

Valliant, Oklahoma. 50-year-old male, divorced, no children, interested in underground homes, wilderness-type country life, and being as self sufficient as can be. Looking for U.S. citizen female pen pals to 60 years young.

ASG 1126

West Point, Mississippi. White male, 35, looking for a nice lady and information on medical herbs. Will correspond with anyone who wishes to share info on anything.

ASG 1127

Southwestern Pennsylvania, Northern West Virginia. Christian survivalist group wishes to contact other survivalist groups or individuals to exchange info, help each other, and possibly join together. No commies, gays, druggies, or alcoholics.

ASG 1128

Quebec, Canada. Serious survivalist group seeks new and active members in Quebec, Maine and Ontario. We focus in NBC warfare, hand to hand combat and NBC shelter construction. No gays, pacifists, Nazis and skinheads. All letters will be answered. Welcome to all languages and races.

ASG 1129

Sudbury, Ontario. I am a white male starting off in the world of survivalism and I wish to gain info on anything to do with

the outdoors (all info would be appreciated) but particularly living off the land, growing herbs for medicine and food, homemade weapons and explosives, traps for people and animals. No religious freaks or druggies.

ASG 1130

Bethel, Alaska. Married white female would like to hear from other females who would like to help on new homestead in exchange for room and board, survival skills, gardening, etc. I can provide transportation. No experience necessary. Just a good sense of adventure.

Using the Survivalist Directory Frequently asked questions concerning the Directory.

Q. How long does it take before my listing will appear in ASG?

A. Most magazines are in production three months before they appear on the stands. We seldom hold listings over because of lack of space. That means all listings sent in, up to the day that the Directory is typed into the computer, will be printed in an ASG issue appearing about three months later.

Q. Why don't I get a response to the letters I have written to various listings?

A. Getting a response to a letter sent to a specific listing is not a sure thing. While some people will respond to all mail sent to them, others are selective and want to hear from only those in close proximity. Try to send in your response early, preferably as soon as the listings are published. If you wait six months before responding, the address that we have for that person may no longer be valid. If you know that you will be moving in the near future, wait until you know the new address before sending in a listing. One of the main reasons people don't connect through the Directory is because of change of address.

Q. What size envelope do you recommend I use to mail in a response?

A. When people send listing responses to ASG in business size envelopes, it makes it hard to stuff several envelopes into another business size envelope. It would help if 3 1/2 x 6 1/2 size envelopes were used for listing responses. Stamps aren't needed unless you plan to respond to quite a few listings.

Don't waste your money: Mass mailings for commercial purposes are strictly prohibited. We have to discard these letters — save your postage! Also, avoid using the Directory to find your perfect survival mate. We don't want to turn the Survivalist Directory into a lonely hearts service. Responses to these types of listings are generally poor. Concentrate on building up a group in your local area. Use common sense when giving out your address or phone number to strangers. It is wise to use a post office box or a business address instead of a home address when you make direct contact. Another interesting note: there have been allegations of government plants responding to low profile group listings.

Address response letter as follows:

American Survival Guide

ASG 0000 (Code Number, As Above)

2145 West La Palma Avenue

Anaheim, CA 92801

Your letters will be forwarded to persons listed within two days of receipt. *American Survival Guide* accepts no responsibility for loss or delay of letters. Contact letters that do not carry the appropriate code number will be discarded.

Those who wish to be added to the directory listing, please send names and addresses to *American Survival Guide*, 2145 West La Palma Avenue, Anaheim, CA 92801. The listing is free. ●

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MEN OF ACTION AND ADVENTURE — Order our 50-page catalog! Books and videos on new identity, improvised explosives, revenge, firearms, survival, and many other outrageous and controversial subjects. Get yours today! Send \$1.00 to: Paladin Press, P.O. Box 1307-1G1K, Boulder, Colorado 80306.

GENERATOR PLANS — Send \$10.00 to: PE Energies, Box 47, Summerlee, West Virginia 25931

INVESTIGATOR'S GUIDE TO INFORMATION RESOURCES — VISA/MC (818) 367-0154 or send \$35.00 to A1 DATA, Dept. ASG, PO Box 922169, Sylmar, CA 91392.

ZERUST VAPOR CAPSULES — Unique vapor phase inhibitor protects your guns and survival gear from rust and corrosion for up to two years. Simple to use in all gun cases cabinets safes and storage containers. Not a desiccant. 3 convenient sizes \$19.95 + \$2.00 S&H. E.N.I. DISTRIBUTORS, Dept. ASG, PO Box 433, Island Park, NY 11558

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FOOD/WATER

SURVIVAL FOOD — Free shipping! — USA — 719-687-6195.

MRE's — (Meals Ready to Eat) — \$35/(12) — \$135/(50). BFM's — (Balanced Food Mix) — \$36/case (12) — 48 servings.

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PTM's — (Ponderosa Trail Mix) — \$48/case (12#). Ponderosa Products, 1000 Ponderosa Way, Dept. ASG, Woodland Park, CO 80863.

SAVE 10-30% DISCOUNT SURVIVAL SUPPLIES! — Excellent quality, fresh, nitrogen-packed dehydrated & freeze-dried foods. Harvest Valley Superpail (TM) Buckets. AlpineAire Gourmet Reserves. Ready Reserve. Medical supplies & kits. Large book selection. We beat our competitor's prices! FREE CATALOG! Lion & Lamb, Box 141374, Dept. ASG, Dallas, Texas 75214.

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WEAPONS

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ITALIAN STILL-ETZ SWITCHBLADES — Send a large SASE with 2 stamps to TIO IMPORTS, 3575 Bellline, Suite 250, Dept. asg, Irving, Texas 75062.

SPECIALTY AMMO — Tracers, Incendiary, AP, Launcher Rounds, Exploders, Sub-sonic, etc. S.A.S.E.,

TMP, B-133, Custer City, PA 16725.

WHOLESALE WEAPONS CATALOG — Wide assortment of knives, Crossbows, Aerosol weapons, zap guns, grappling hooks. Send \$2.00 to: M.C.H. Distributing, P.O. Box 217, Bayville, NJ 08721.

US M2 FLAME THROWER — \$399.00 ppd complete parts, demilitarized, easily restored. Specifications \$1.00 cash. FMCO, 1525 Moon, A/ASG, Medford, OR 97504.

MISCELLANEOUS

JOBS \$100 TO \$1000 DAILY — Free list. Overseas! Stateside! "ZINCZO," Box 585, Dearborn, MI 48120

MONTANA LAND — from Cabinet Mountain Wilderness to Continental Divide. Big timber, mountain meadows, creeks, ponds, private hunting. Several border national forest, from \$299.00/acre. Beaver Creek Ranches, Inc., Box 1509-ASG, Noxon, MT 59853 (406) 847-2421.

CONCRETE BLAST OR FALLOUT SHELTER — or 10 or larger, plans, doors, vents, blast valves, instructions for building. Explanatory brochure \$5.00 MARCEL M. BARBIER, INC., Dept. ASG, P.O. Box 2905, Reston, VA 22090, (703) 860-1275.

RUVEL & CO., INC. U.S. GOVERNMENT SURPLUS — USMC Shooting Jacket OD, S-M-L \$36.95, XL-XXL-XXXL \$40.95. Specify Right or Left Handed. USN Leather Flyers Jacket Type G-1 or Type A-2 USAAF Leather Pilot's Jacket, Brand New, Size 36 to 46 \$215.00, Size 48 & 50 \$235.00. BDU Leaf Pattern Camouflage Jackets or Pants \$26.00, XL \$29.00. BDU's Olive Green, White, Day Desert Camo, Urban Camouflage, Khaki, Black or Tiger Stripe Jackets or Pants \$28.50, XL \$32.50. New M65 Army Field Jackets S, M, L, XL. OD, Leaf Camouflage, Tiger Stripe, Khaki, or Black \$52.50. New M65 Liner \$19.95. USAF/MA1 Intermediate Flyers Jacket, U.S. Mfg. Sage Green, Black or Woodland Camouflage Reverses to Blaze Orange, XS to L \$54.75 XL to XXL 20% extra. GI N3B-type Snorkel Parka Extreme Cold Weather, S, M, L \$125.00, XL to XXL 20% extra. Army Fatigue Caps with Earflaps OD or Woodland Camouflage Size 6-3/4 to 7-3/4 \$8.50. U.S. Army Current Issue Intermediate Cold Weather Sleeping Bags \$95.00. Extreme Cold Weather Sleeping Bags \$185.00. New GI .45 Auto Hip Holsters, Black \$21.90. Government Type Leather .45 Shoulder Holsters \$15.50. Current Issue GI Pistol Belts with Plastic Buckle \$12.00. GI M4 Carbine Bayonet '70 issue Plastic Handle with Sheath \$45.00. Carbine 30 rd. Mags \$6.50. GI 30 rd. Carbine Magazine Pouch Holds 4 magazines \$8.75. Two 15 rd. Mags & Belt Pouch \$5.50. Carbine Handguards M1 or M2 \$5.00. Carbine Sling and oiler \$6.00. M5 Garand Bayonet with sheath \$27.75. M14 20 rd. Mags \$11.50. M14 Cleaning Tool Set \$13.50. AR15 Cleaning Kit with Case \$12.50. New GI OD 10 Pocket Cartridge Belt \$18.95. Khaki \$23.50. M1911 .45 Auto Mags \$7.00. AR15 30 rd. Mags \$9.95. WWI .45 Double Pouch \$2.50. AR15 Nylon 30 rd. Ammo Pouch \$8.95. GI Angle Head Flashlights \$6.35. Army-Marine GI Compass, non-radioactive \$35.95. Campaign Hats 6-5/8 to 7-3/4 \$25.75. Hat cords red, blue, yellow, Officer's gold and black \$5.75. Complete listings found in 1991 Army-Navy Store 64-page catalog. Send \$2.00 (free with \$10.00 order). Prices plus delivery charge and local sales tax where applicable. Check, MasterCard, VISA accepted. Illinois residents add 7% sales tax. RUVEL & CO., INC. 4128-30 W. Belmont Avenue, Dept. ASG, Chicago, Illinois 60641 (312) 286-9494.

SMOKE GENERATING DEVICES — (Candles, Bombs, Pots, Grenades) — Send \$3.00 (refundable with order) for catalog of these and much more! Many exclusive products. Signus, Box 33712-P11, Phoenix, AZ 85067.

DISCOUNT CAMPING/BACKPACKING — Survival equipment. Free catalog. 24 hours 1-201-487-2830. G.S. Business Products, Dept. ASG, P.O. Box 25, River Edge, NJ 07661.

GET A PIECE OF THE ACTION — Desert Storm sand. Send \$5.00 money order with SASE to: RWB, 12178 Greenspoint Dr., Box 430, Houston, TX 77050.

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SIXTY-SECOND SURVIVAL TENTS — Free-standing dome tents that go up in less than one minute! No threading poles or staking lines. Models for 2 to 5 adults. Free catalog from Trade & Preparedness Associates, 485 Eddy St. #103, San Francisco, CA 94102. Dept. ASG

MINIATURE ELECTRONICS — like James Bond. Catalog \$5.00, refundable. F&P Enterprises, Box 51272, Palo Alto, CA 94303-K

SURVIVE WITH A BEAUTIFUL, LOYAL, TRADITIONAL LATINA — who already knows how. Send SASE for free photos sampler to: Intl. Friends (AS); 444 Brickell #51-140, Miami, FL 33131.

BOOT KNIVES — concealable, high quality, with leather sheaths 7 1/4" — \$7.00. 9" — \$10.00. Both \$15.00. J.W. Distributing, Dept. ASG, 10983 Oakwood Avenue, Hesperia, CA 92345.

SURVIVE IN A CHEMICAL ENVIRONMENT — Basic guide to NBC survival by a former Army NBC officer \$12.00 postpaid. Dept. ASG, Patriot Publishing, P.O. Box 582, Whitehall, PA 18052-0582.

IS IT TRUE... JEEPS FOR \$44 — through the U.S. Gov't. Call for facts! 504-649-5745 Ext. S-4006.

LOUIE'S MILITARY SURPLUS — New items. GI CAMOUFLAGE uniforms - woodland, tiger stripe, desert, black pants, jackets - \$26.00; XL - \$27.00. T-Shirts - woodland, tiger stripe, desert - \$8.00. BANDANAS - woodland, tiger stripe, desert - \$2.00. JUNGLE HATS - woodland, tiger stripe, desert, black, green - \$8.00. GI Flashlights - black, green - \$8.00. Canteens - black, green, - \$2.00. Butt Packs - \$12.00. GOOD USED SURPLUS ITEMS - GI PISTOL belts - \$8.00. "H" Suspenders \$4.00. Nylon M16 Pouches - \$4.00. "ALICE" PACKS - \$30.00. BDU Caps - \$4.50. Mess Kits - \$5.00. Grenades (pineapple, baseball, lemon), CLUSTER BOMBS - inert - \$5.00. VISUAL AIR CRAFT RECOGNITION CARDS - \$5.00. Add 20% (Min. \$5.00) s&h. LOUIE'S MILITARY SURPLUS; Box 44, Countyline, OK 73025.

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Sarah Brady and Hitler

Is it unfair to compare Sarah Brady, the gun-grabbing chairman of Handgun Control, Inc., to Adolf Hitler? What do these two people have in common? Hitler used the following tactics to build a "New Order" which led to a "Final Solution" for Jews. Brady's use of Hitler's tactics leads to a "Final Solution" for law-abiding gun-owners. Hitler knew that a lie — endlessly repeated — can win acceptance. So does Sarah Brady. Like Hitler, Brady preaches the big lie that firearms, not criminals, are the root of violence in America. Hitler at first moved slowly. So does Sarah Brady. Only after eight years of growing brutality did Hitler herd disarmed Jews into ghettos and ship them to death camps. Brady first targeted "Saturday night specials," then "Cop-killer bullets," then "assault rifles," then "access to guns by the law-abiding." What next: midnight warrantless searches by "gun police"? Hitler exploited events to savage innocent people. So does Sarah Brady. On November 7, 1938 a gutsy Jew whose parents were Nazi victims, killed a German diplomat. Two days later Hitler unleashed storm troopers on Germany's Jews: hundreds were killed, maimed, or jailed. Sarah Brady exploits the shooting of her husband, James Brady. Using a handgun he had long owned, the crazed John Hinckley tried to kill President Reagan. Jim Brady, briefly in Hinckley's line of fire, was wounded. Sarah Brady uses this sad event to incite hatred, not against violent criminals, but against the millions of law-abiding firearm owners. It is time for Americans to wake up and reject Sarah Brady's program and Nazi-style tactics. If your legislators support Sarah Brady's evil, tell them you will vote them out in 1992. While you still have them, use your First Amendment rights to protect the entire Bill of Rights. If you believe that compromise with gun-grabbers is wrong, join *Jews For The Preservation of Firearms Ownership* (Membership open to all. Dues \$20), 2872 Wentworth Ave., Milwaukee, WI 53207; (414) 769-0760.

Aaron Zelman
JPFO Executive Director

Interpreting Changing Times

I have been a subscriber of *ASG* for years as well as a believer that "something is infinitely out of whack" in this system. I have been called "Dr. Doom", "extremist", "radical" and "off center" to name a few. I have been employed

MAIL CALL

by a financial institution for 18 years and have seen the beginnings of the s--- hitting the proverbial fan. I have tried and tried to talk to people about the real world. If you really look at the way things are, start with the social programs, the breaking down of family values and acceptance that "anal sex" is a matter of preference, control of money with banks, the teetering of our financial base, the dependence on corporate farms for food production, gun control, and the other obvious scenarios that only cynical people like myself seem to see, I have to thank God for the ability to interpret the information I see. Independence, low profile, self sufficiency, abilities and skills as well as faith are the keys to surviving what is going to happen. My spouse is a conservative Christian who always had the attitude that I was just blowing off steam. She rode the "Corporate Train" over the last nine years and finally came to the realization that something is wrong — three of the last four companies she has worked for have been closed permanently. I am happy to say that we are taking the steps we feel are necessary to get further away from the chaos that will result. We cannot get away from Big Brother, but if you get more than a tankful of gas away from population centers, you can have an edge.

Anonymous
Chicago, Illinois

Printing the Truth

Help! Where can I get a set of encyclopedias with the truth? What's been available is not worth buying because of the lies, half-truths and One World Government-sponsored left wing crap. Keep up the good work. Thanks for the truth you print.

J. Cobb
Salt Lake City, Utah

Oregon's Answer

After reading Mr. Davison's letter in the August '91 issue of *ASG* concerning his militia membership, I am glad I don't live in Oregon. I would be quite worried about all of my constitutional rights in a state where the socialists are so blatantly in charge. Remembering that the Founding Fathers wrote the Constitution so that the average citizen would understand the docu-

ment — our rights are clearly spelled out, clearly understandable. The ongoing liberal/subversive interpretation of the document was never intended. I know quite well what the wording of the Second Amendment means, the author's feelings, and the political climate at the time it was written. I have also studied and researched the congressional acts quoted by comrade Lt. Col. Schriever. Either comrade Schriever is incredibly misinformed, or he doesn't have a clue to what the Constitution is all about. The only way the Second Amendment can be legally assaulted, is by the proper ratification of another amendment that would cancel it out. This means that the Dick Act, the various gun control acts of the 1930s, the GCA of '68, the Brady Bill and any other Dick and Jane acts that will be passed are UNCONSTITUTIONAL.

William K. Dyson
Crowley, Louisiana

Libertarian Party

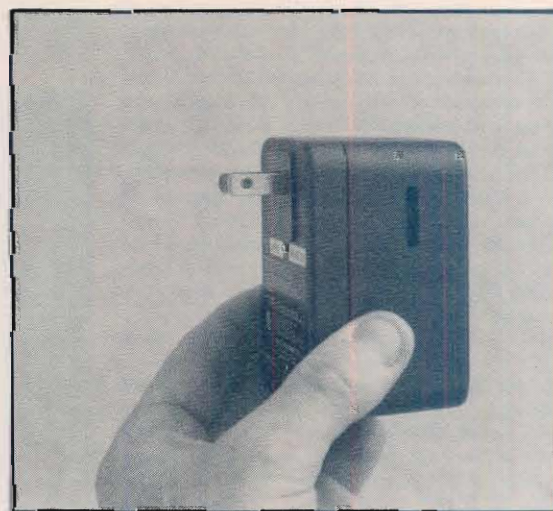
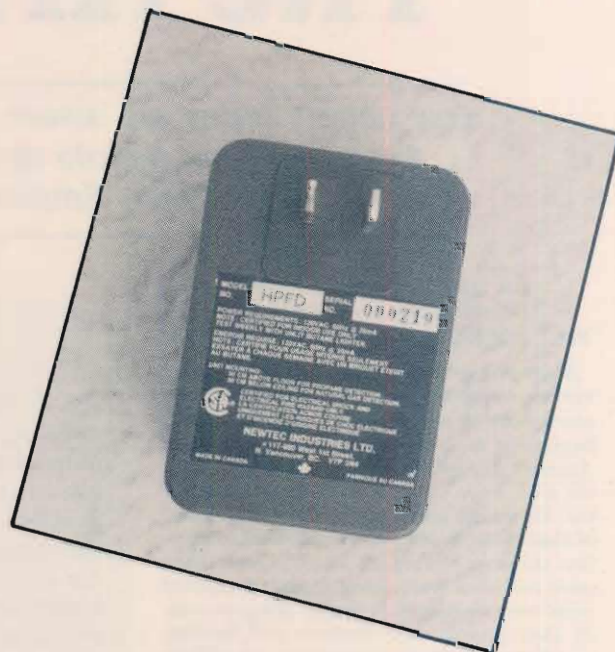
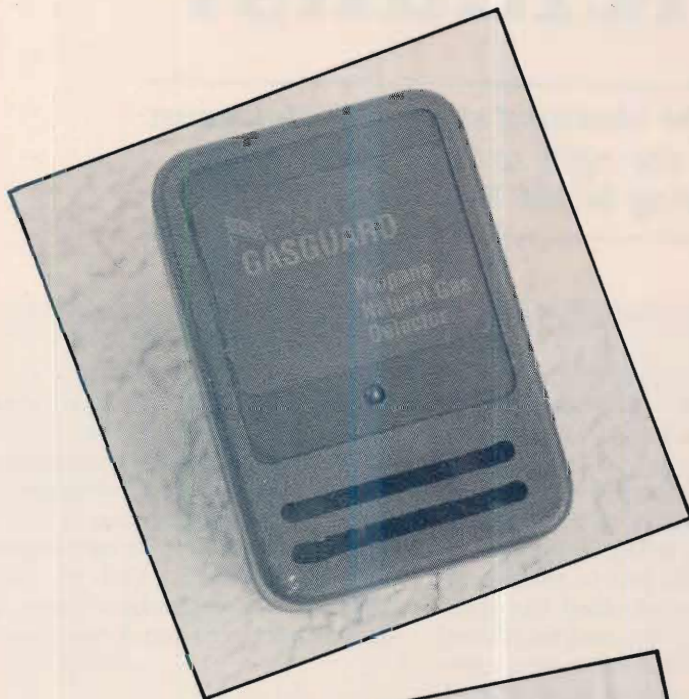
For reasons that seemed sensible until lately, I've been an ex-member of the Libertarian Party (LP) for over a decade. The Bush Administration's abandonment and betrayal of American gun owners, however, has caused me to reconsider. From its inception in 1971, the LP has defended individual gun ownership in its platform for the same reasons the Founding Fathers did in the Bill of Rights. During my tenure on the LP's National Platform Committee, I did what I could to strengthen that defense and spread the word to non-Libertarian gun owners. During the same time, "wiser heads" insisted that, since a third party can't possibly win elections, we shouldn't "waste our vote" on it. By now it should be clear — even to wiser heads — that their "wisdom" has brought us to the brink of disaster, that we've been wasting our vote anyway, and that the traditional affection gun owners feel for the Republican Party has all but destroyed us. It's time to stop messing around, stop generating excuses, and make the best of the one hope we have left. For my part, I'll rejoin the Libertarian Party and organize a Second Amendment caucus within it.

L. Neil Smith
Wheat Ridge, Colorado ●

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Staff Report

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percent relative humidity and in a temperature range of from 32 degrees F. to 122 degrees F. Gasguard is certified by the Canadian Standards Association and carries a one year warranty. Price is only \$39.95 plus \$3 shipping and handling. Contact Sims Marketing, 23 N. Gore Ave., Suite 002, Dept. ASG, St. Louis, MO 63119-2300; (800) 548-2117. ■

Who Remembers The Armenians?

Few people today are aware of the shocking story of a Holocaust for a Christian people denied the right to bear arms in the Ottoman Empire during World War I...

An interview with Setrak Derovakimian © 1991 by Paul Yangouyian and Aaron Zelman

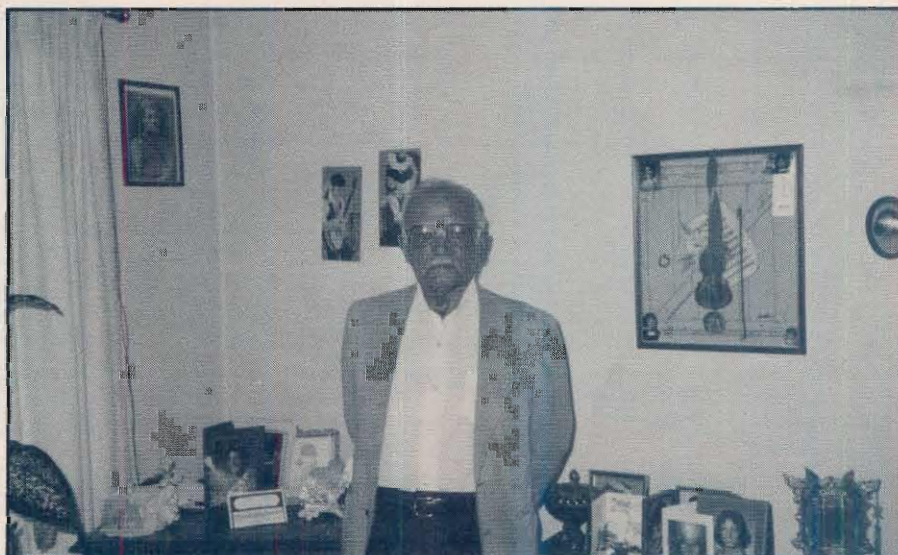
Many people believe that Jews were the only victims, in this century, of a campaign of genocide against an ethnic group. But during WWI, beginning in 1915, more than 1.5 million Armenians, an ancient civilization of the Middle East, were uprooted from their homes in the Armenian provinces of Turkey, stripped of their possessions and marched off to desolate stretches of Turkish interior where they were told they were being deported. Instead most were murdered en masse along the way by their guards, local Turkish and Kurdish peasants and marauding gangs, on official orders of their Ottoman Turkish overlords. Turkish officials who refused to carry out the orders were dismissed and replaced with those who did. This was done to settle "the Armenian question." Hundreds of thousands of other Armenians fled into exile, were otherwise murdered, enslaved, or forced to convert to Islam. This interview is not intended to cast blame on or create ill will toward Moslems or the people of modern day Turkey for acts of genocide committed by Ottoman Turks (though Turkey has never acknowledged the genocide). It is presented here as a chilling example of what has happened in recent history to millions of people — in this case Armenians who as Christians lived at the mercy of their Ottoman Turkish government — when they were denied the fundamental and inalienable right to keep and bear arms, as well as other rights. It is a warning to freedom-loving people everywhere of what can happen when governments become too powerful. The interview is presented by Aaron Zelman, executive director of Jews for the Preservation of Firearms Ownership (2872 S. Wentworth Ave., Milwaukee, WI 53207; 414-769-0760; membership \$20 a year, open to both Jews and non-Jews), and Paul Yangouyian, an independent researcher of Middle Eastern history who is working on a book of collected interviews of Armenian genocide survivors. Setrak Derovakimian, 81, of Detroit is one such survivor. As a child in Turkey he escaped with his mother as the Turks slaughtered his entire community. They eventually made their way to Greece, where his mother died. Later he emigrated to Canada and then to the U.S. where he has lived since 1968. Now retired, he is also writing a book on the Armenian genocide — The editors.

"Sept. 16, 1916 — To the Government of Aleppo. It was at first communicated to you that the Government, by order of the Jemiet had decided to destroy completely all the Armenians living in Turkey. . . An end must be put to their existence, however criminal the measures taken may be, and no regard must be paid to either age or sex nor to conscientious scruples."

— Talaat, Turkish Interior Minister

"August 22, 1939 — I have given orders to my Death Units to exterminate without mercy or pity men, women and children belonging to the Polish speaking race. It is only in this manner that we can acquire the vital territory which we need. After all who remembers today the extermination of the Armenians?"

— Adolf Hitler



Q Where were you born in Turkey?
A. I was born in the village of Pakarich in the state of Erzinjan. My village had a population of about 500. The state of Erzinjan had a total

Setrak Derovakimian, who with his mother escaped the massacre of their Armenian village in Ottoman Turkey during World War I, resides in Detroit. "After what I went through," he says, "I have to be suspicious of any government that talks gun control."

population of about 20,000.

Q. Tell us how your village ended up on the death marches.

A. One day seven Turkish soldiers came to our village. They said our village was going to be punished because the government was having some problems with the Armenians in the eastern part of the country. We were going to be punished even though our village didn't have any problems with the government. The punishment was going to be that our whole village was going to be marched for two days in the wilderness and then we would return back to our village. The two days ended up being three months before my mother and I escaped.

Q. How did you escape?

A. One day on the march we were marching through a very dry forest near the present day Diyarbakir. All of a sudden we noticed that the forest was on fire. We saw the Turkish soldiers setting fire to the forest around the marchers. Anyone who tried to run was shot. The rest died in the fire. My mother and I were the only ones who escaped. To make a long story short my mother and I ended up in a refugee camp in Greece.

Q. You said previously that seven Turkish soldiers came and took your village on the death march. How was it possible that seven Turkish soldiers could forcefully take 500 villagers out of their village and march them into the wilderness?

A. How?! We had no guns!

Q. Tell us about gun control in Turkey.

A. Christians were not allowed to own guns in Turkey. Any Christian found in possession of a gun would be executed on the spot. Christians were not even allowed to defend themselves against a Turk. It was the right of a Turk to put a Christian to death any time he wanted to. If a Christian killed a Turk in self defense, his whole village would be executed. We were not even allowed to own a knife with a blade longer than your index finger. The Turks could come and search our houses anytime they wanted to. We had no human rights, no nothing. We were just like slaves.

Q. Tell us about your experiences on the death march, especially atrocities that you were eyewitness to.

A. Let me start from the beginning. Our church was on the outskirts of our village. When the Turkish soldiers first came to our village after the outbreak of the war, they went to our church. The Turkish officer told the caretaker

of the church to go and get my grandfather. Our village was too small to have an official Turkish mayor so my grandfather was made the head of our village by the Turks. When the caretaker of our church came to our house he said the Turkish officer wanted to see my grandfather immediately at the church and my grandfather was to bring with him a frying pan and some butter. When my grandfather got to the church, the Turkish officer ordered the caretaker to build a small fire in the backyard of the church. After the fire got going, the Turkish officer took the frying pan and the butter from my grandfather and said, "Don't think I asked you to bring this frying pan and butter to me because we wanted them for cooking. You better tell us right now who in this village has any guns or we are going to take you and some villagers and hold you down and pour the

Sometimes the Kurds would bring us yoghurt and if we were lucky, some moldy bread. Few people could bear these conditions so many people committed suicide. Near the end of our journey (the end being when my mother and I escaped from the forest the Turks set on fire) we came to the shores of the Euphrates River. There was a small bridge going over the rapids. Some people just jumped into the rapids from the shore but most people went on the bridge and looked toward heaven and said a prayer and then asked God to avenge their suffering and then they jumped from the bridge into the rapids.

During the first days of our march, our human caravan was met by other villages being forced to march. By the time we reached the Euphrates River we had been joined by several other villages being forced to march so all of us marchers numbered as many as

The barbarism I am describing to you is going to make any Westerner dumbfounded. I don't know if any Westerner can fathom in his mind what we Armenians went through.

melted butter in your ears."

My grandfather begged and pleaded with the Turkish officer not to torture anyone because we had no guns. The Turkish officer said he would give us three days and then all the homes in the village would be searched. If only one gun was found the whole village would be executed. After three days went by the homes were searched and no guns were found. All the villagers were then forced on the march.

While we were on the march most of the people died from lack of food and water and from exposure. We looked just like those Ethiopians you see on the television. We had been told we were going to be marched for two days so we only took two days worth of food and water. When we ran out of food the Turkish soldiers wouldn't give us any so we had to rely on the wild fruits and vegetables we could find for food.

30,000 to 40,000. When we came to the bridge over the rapids of the Euphrates River, literally thousands of people were throwing themselves into the rapids. My maternal aunt killed herself in this manner. People stood in a line as far as the eyes could see to get on the bridge just to say a prayer and then jump into the rapids.

People were also murdered by the Turkish soldiers. One incident I remember in particular was the murder of a pregnant woman. While my mother and I were marching we noticed some women in a huddle off to the side of the procession of marchers. My mother took me by the hand and we went to see why these women were in a huddle.

When we got over there we saw that these women were huddled around a pregnant woman who was in labor. Right after my mother and I got there a Turkish soldier came and pushed his

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graves they had just dug.

I could go on for ever telling you the barbarities we Armenians had perpetrated against us by the Turks.

Q. During WWI, thousands of Armenians were protected from the genocide by Russians who were fighting against the Turks in the region of what is today Soviet Armenia. This year there have been violent clashes between Armenians and neighboring Azerbaijanis in the Soviet Union. Armenians have complained that Soviet troops are aiding Azerbaijani interior forces in attacking Armenian villages in Azerbaijan. What do you think about this?

A. I'm not too optimistic about the future of Armenia. The Russians will never let us leave the Soviet Union. We are only 3.5 million over in Armenia. How can we fight the Soviet Union? Unless the U.S. or the European superpowers get tough with the Soviet Union and tell them they must let any republic that wants to secede do so, who do we Armenians have to turn to? The U.N.? Is the U.N. going to help us like they helped Cyprus? If so, we don't need the U.N.'s help. At least civilian self-defense forces can put up some sort of a fight so if we are going to get annihilated we'll go down fighting. What can our Fed-ayees (Armenian militia) do with hunting rifles?

Q. In regard to your comments about the arms your people possess in Armenia, what do you think of the gun control movement in the U.S.?

A. Because of what I went through, I have to be suspicious of any government that talks gun control.

You know, before the Young Turks came to power in 1908, they also talked about a New World Order. They gave us all sorts of jazz like "peace on earth," "equal rights for minorities," "brotherly love," "the days of Ottoman barbarism are over" and all that kind of script talk.

In fact, before Sultan Hamid was overthrown his secret police had almost arrested and killed all the Young Turk leaders but the top Young Turk leaders had hidden in the homes of Armenians who had bought all the Young Turk lies. Talaat Pasha, the leader of the Young Turk triumvirate, had personally signed the arrest and execution order of his Armenian friend who had hidden him (Talaat) in his home from Sultan Hamid's secret police.

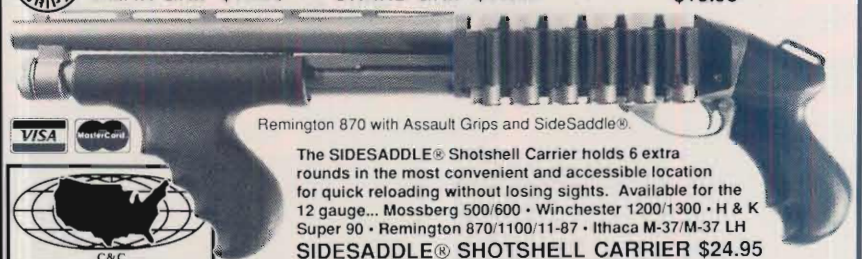
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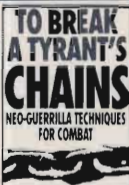
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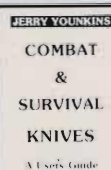


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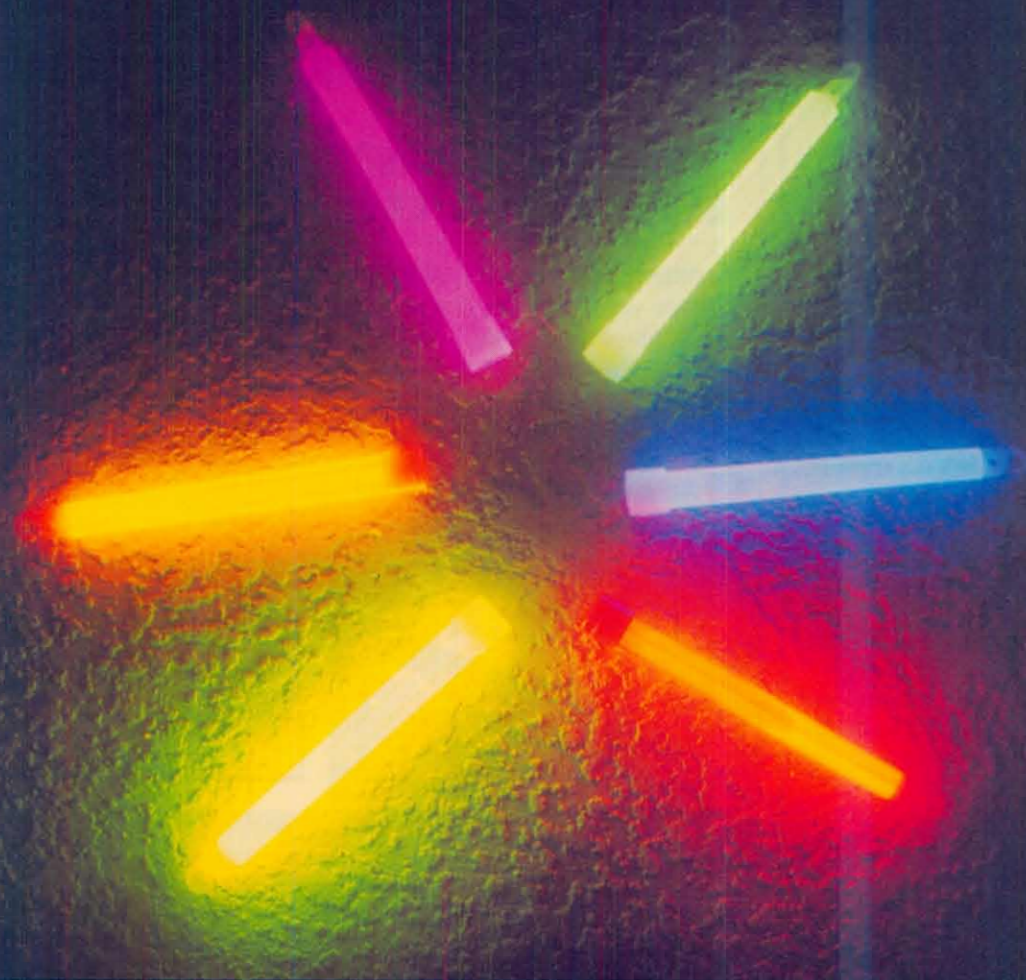
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counter tops...*



Staff Report

A new brand of lightstick is on the market and they have several advantages over those produced in the past. The number one difference is their shape. Snaplights are hexagonally shaped so that they won't roll easily off table tops or other flat surfaces. They also have a hook for convenient hanging — no need to thread a line through a hole. For those wishing a more secure tie to the Snaplight, there is also a hole under the hook so you can clip or tie the lightstick to your vest, hat or backpack.

Snaplights are non-toxic and safe to use. Simply bend to break the glass

ampule inside and shake. Two chemicals will then mix together to produce light. Various colors are available including: red, orange, yellow, green, white, blue and hot pink. Some are rated at 12 hours, eight hours, and 30 minute high intensity (recommended for cold weather applications).

With a shelf life of four years, lightsticks make a handy item for survival kits and preparedness programs. They provide a cool, efficient light whenever needed and are excellent for camping, boating, signalling, power failures, earthquakes, and areas where there may be hazardous gas leaks (no spark or flame to ignite the gases).

The twelve hour Snaplights come in green, yellow, red and orange. 8-hour

units come in blue and hot pink and the 30-minute high intensity models come in red and yellow.

We are told that the military is buying snaplights. If you would like to order some for yourself, NITRO-PAK has them available. A unit of 10 Snaplights mixed or matched sells for \$20.95 plus \$3.95 shipping and handling. They can be ordered individually for \$2.39 each for the 12-hour lightsticks or \$2.79 each for the 8-hour or 30-minute varieties. For more information contact: NITRO-PAK Preparedness Center, 13243 E. Rosecrans Ave., Dept. ASG, Santa Fe Springs, CA 90670; (213) 802-0099 or toll free outside California (800) 866-4876; 24-hour fax (213) 802-2635. ●

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BOOK

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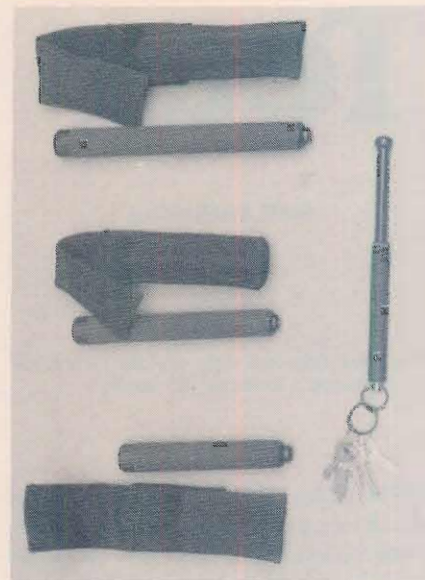
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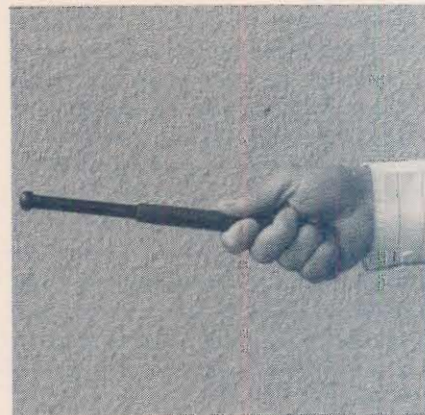
ASP Batons

(Continued from page 20)


From bottom are the steel Persuader keychain baton, F-16, F-21, and F-26 ASP batons.



The keychain Persuader, right, and from bottom with nylon sheaths are the closed F-16, F-21 and F-26.



The Persuader opens to 9 inches.

very little danger of the baton giving way if it has been properly expanded.

ASP batons are also ideal for civilians who desire a discreet weapon for self defense. A woman can carry one of these batons concealed in a purse and ready for instant deployment. They can also be carried openly in the black basketweave leather or nylon sheaths available with them. Check with the local laws in your community before carrying one of these weapons.

The Cutlery Shoppe has four different models of ASP baton available. The F-26 is 9 inches closed and opens to 26 inches (weight 19.8 ounces). The F-21 is 8 inches closed and opens to 21 inches (weight 16.1 ounces). The F-16 is 7 inches closed and opens to 16 inches (weight 12.9 ounces).

There is also the Persuader keychain baton which is 6 inches closed and

opens to 9 inches (weight 5.7 ounces). These models are all steel with black chrome finish. Cutlery Shoppe also has the keychain model in aluminum with black finish. It's the same size as the steel Persuader but weighs only 2.5 ounces. The F-26 is \$48, the F-21 is \$44. The F-16 is \$40.

The Persuader in steel is \$18 and in aluminum is \$16.80. Also available from the Cutlery Shoppe are black basketweave leather sheaths and black nylon sheaths for these batons. The F-26 basketweave sheath is \$30, F-26 nylon sheath is \$14. F-21 basketweave is \$26 and nylon is \$13. F-16 basketweave is \$22 and nylon is \$12.

For more information contact the Cutlery Shoppe, Dept. ASG, 5461 Kendall Street, Boise, ID 83705-1248; or call 1-208-376-0430; for orders call toll free 1-800-231-1272; fax 1-208-376-7808. ●

Datawit:

Tear Gas Baton

Staff Evaluation

A unique German made combination nightstick and tear gas spraying device. . .

The Police Stick can spray tear gas several feet by depressing a switch on the handle.

The Eldos "Police Stick" is a unique device made and patented in Germany which has a dual role as police baton and hidden tear gas dispenser.

Now available in the U.S., it comes in two sizes, 13 inches long and 16 inches long.

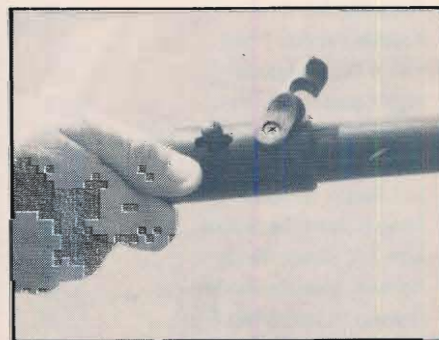
Unexpected and reliable, the Police Stick is made of impact resistant plastic and can be wielded as a regular baton or used to spray CS tear gas out of its front end to hit targets several feet away. The tear gas is sprayed by depressing a switch on handle. A safety lock on the switch prevents accidental discharge of the gas. A replaceable canister of the gas available from the importer, Datawit, Inc., is inserted inside the handle and secured in place with a screw-on butt cap. The gas is directed out the front end of the stick by means of a long hollow tube inside the stick. There is also a wrist thong to help prevent the stick from being taken away from the user by an assailant. The tear gas cartridges are good for three years.

This device has been tested and approved by the German Federal Criminal Police Office (BKA) in Wiesbaden, Germany. It's ideal for carry in cars, boats, RVs, etc. (check with local law enforcement for legal restrictions in your area). The Police Stick with tear gas is available for \$29.95 plus \$3.50 S&H (GA residents add 5% sales tax) from Datawit Inc., Dept. ASG, 2793A Clairmont Rd. N.E., #297, Atlanta, GA 30329; credit card orders call toll free 1-800-443-5498; for information and literature call (404) 315-6334. ●

German, CS tear gas canister supplied with the baton, is inserted in the handle and secured with a screw-on butt cap.



It looks like a regular baton.



Safety switch prevents accidental discharge of tear gas.





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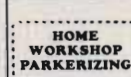
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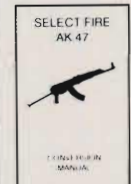
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